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UNITED STATES DEPARTMENT OF AGRICULTURE

WORKERS IN SUBJECTS PERTAINING TO AGRICULTURE IN STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS

1928–1929

OFFICE OF EXPERIMENT STATIONS
MISCELLANEOUS PUBLICATION No. 43

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WORKERS IN SUBJECTS PERTAINING TO AGRICULTURE IN STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS

By MARY A. AGNEW
Office of Experiment Stations

1928–1929

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KEY TO ABBREVIATIONS

Acct., Accountant, Accounts.
Actg., Acting.
Admin., Administration, Administrative.
Agr., Agriculture, Agriculturist, Agricultural.
Agron., Agronomy, Agronomist.
Agt., Agent.
An., Animal.
Anal., Analytical, Analysis.
Anat., Anatomy.
Arch., Architecture.
Assoc., Associate, Association.
Asst., Assistant.
Bact., Bacteriology, Bacteriologist.
Biochem., Biochemist, Biochemistry.
Biol., Biology, Biologist, Biological.
Bot., Botany, Botanist, Botanical.
Brdg., Breeding.
Bul., Bulletin.
Chair., Chairman.
Chem., Chemistry, Chemist, Chemical.
Climat., Climatology, Climatologist.
Coll., College.
Comp., Comparative.
Comn., Commission.
Comr., Commissioner.
Consult., Consulting.
Bul., Bulletin.
Coop., Cooperation, Cooperative, Cooperator.
Corresp., Correspondence, Correspondent.
Dem., Demonstration, Demonstrator.
Dept., Department.
Dir., Director.
Dist., District.
Div., Division.
Dom., Domestic.
Econ., Economy, Economic, Economics, Economist.
Ed., Education.
Engin., Engineer, Engineering.
Ent., Entomology, Entomologist, Entomological.
Erad., Eradication.
Expt., Experiment, Experimentalist, Experimental.
Ext., Extension.
Fert., Fertility, Fertilizer.
Flor., Floriculture, Floriculturist, Floricultural.
For., Forestry, Forester.
Gard., Gardening.
Gen., General.
Geol., Geology, Geologist, Geological.
Grad., Graduate.
Histol., Histology, Histologist.
Hon., Honorary.
Hort., Horticulture, Horticulturist, Horticultural.
Husb., Husbandry, Husbandman.
Hyg., Hygiene.
Illus., Illustration, Illustrative.
Indus., Industry, Industrial, Industries.
Inorg., Inorganic.
Insp., Inspection, Inspector.
Instr., Instructor, Instruction.
Insts., Institutes.
Invest., Investigations, Investigational, Investigator.
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Lab., Laboratory.
Landsc., Landscape.
Lect., Lecturer.
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Mach., Machine, Machinery.
Mech., Mechanics, Mechanical.
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Phys., Physics, Physical.
Physiol., Physiology, Physiologist, Physiological.
Pomol., Pomology, Pomologist, Pomological.
Pract., Practice, Practical.
Prep., Preparatory.
Pres., President.
Prin., Principal.
Prod., Production.
Prof., Professor.
Pubs., Publications.
Sci., Science, Scientific.
Sect., Section.
Secy., Secretary.
Secon., Secondary.
Sociol., Sociology, Sociologist.
Sta., Station.
Substa., Substation.
Supt., Superintendent.
Supvr., Supervisor.
Surg., Surgery.
Tech., Technology, Technologist, Technical.
Treas., Treasurer.
Trop., Tropical.
Univ., University.
Veg., Vegetable, Vegetation.
Vet., Veterinary, Veterinarian.
Vit., Viticulture, Viticulturist, Viticultural.
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A key to the abbreviations used is given on page IV.

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*Olive Gallatin, M. S., *Asst. Prof. Home Econ.*
*Maude E. Jenkins, M. S., *Assoc. Prof. Home Econ.*
*Ruth T. Lehman, M. A., *Asst. Prof. Home Econ.*

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

[2] On leave.

Home Economics—Continued.
*Edith S. Ranney, M. A., *Assoc. Prof. Home Econ.*
*†Mrs. Margaret C. Smith, Ph. D., *Assoc. Prof. and Research Specialist in Home Econ.*

Horticulture:
*†A. F. Kinnison, M. S., *Prof. Hort.; Hort.*
*†D. W. Albert, M. S., *Assoc. Prof. and Assoc. Hort.*
†A. G. Carns, B. S., *Field Asst. in Irrig. and Hort.* (*P. O. Somerton*).
*††M. F. Wharton, M. S., *Asst. Prof. and Asst. Hort.*

Miscellaneous:
*Estelle Lutrell, A. M., *Libr.*
*Mrs. Ethel N. Ikenberry, B. S., *Editor.*

Substations:
Prescott Dry-Farm, *P. O., Prescott*—C. W. Clark, B. S., *Foreman.*
Salt River Valley Farm, *P. O., Mesa*—C. J. Wood, *Foreman.*
Tempe Date-Palm Orchard, *P. O., Tempe*—T. L. Stapley, *Foreman.*
University Farm, *P. O., Tucson*—J. R. Reed, *Foreman.*
Yuma Valley and Mesa Farms, *P. O., Yuma*—J. G. Hamilton, B. S., *Foreman.*

ARKANSAS

College of Agriculture and the Agricultural Experiment Station of the University of Arkansas, *Fayetteville*

*College faculty. †Station staff. ‡Extension staff

*J. C. Futrall, M. A., LL. D., *President of University*
*†‡Dan T. Gray, M. S., *Dean Coll. of Agr., Dir. of Sta., Dir. Agr. Ext. Service*
*†C. O. Brannen, A. M., *Asst. Dir. of Research*

Agronomy:
*†Martin Nelson, M. S., *Head of Dept. Vice Dean of Coll.*
*†R. P. Bartholomew, Ph. D., *Asst. Prof. and Asst. Agron.*
‡D. J. Burleson, M. S., *Agron. Specialist.*
*†George Janssen, Ph. D., *Asst. Prof. and Asst. Agron.*
*†C. K. McClelland, M. S., *Asst. Prof. and Asst. Agron.*
*†W. H. Metzger, M. S., *Instr. and Asst. Agron.*
*†J. O. Ware, M. S., *Assoc. Prof. and Assoc. Agron.*

Animal Industry:
*†H. E. Dvorachek, B. S., *Head of Dept.*
*†C. J. Byrd, B. S., *Instr. An. Indus.; Creamery Mgr.*
‡G. W. Knox, jr., B. S., *Poultry Specialist.*
*†Edgar Martin, M. S., *Asst. Prof. and Asst. An. Indus.* (*Beef Cattle and Horses*).
‡M. W. Muldrow, B. S., *Livestock Specialist* (*P. O., Little Rock*).
*†R. M. Smith, M. A., *Instr. and Asst. An. Indus.* (*Poultry*).
*†C. C. Walts, M. S., *Instr. and Asst. An. Indus.* (*Dairying*).
‡W. H. Woodley, B. A., *Dairying Specialist.*

Bacteriology:
*†W. L. Bleecker, D. V. M., M. S., *Head of Dept.*

Chemistry (Agr.):
*†Barnett Sure, Ph. D., *Head of Dept.*
*†M. C. Kik, Ph. D., *Asst. Prof. and Invest. in Agr. Chem.*

Chemistry (Agr.)—Continued.
†Dorothy J. Walker, B. A., *Asst. in Agr. Chem. Research.*

Economics and Sociology (Rural):
*†C. O. Brannen, A. M., *Head of Dept.*
*†Carlos Campbell, M. S., *Asst. Prof. Rural Econ. and Sociol.*
*†J. A. Dickey, M. A., *Prof. Rural Econ. and Sociol.*
*†B. M. Gile, Ph. D., *Assoc. Prof. Rural Econ. and Sociol.*
*†O. J. Hall, M. S., *Instr. and Asst. in Rural Econ. and Sociol.*
‡J. S. Knox, M. S., *Mktg. Specialist.*

Editorial:
‡K. B. Roy, B. J., *Ext. Editor.*
*††J. P. Bell, *Asst. Editor.*

Education (Agr.):
*K. L. Holloway, M. S., *Assoc. Prof. and Head Dept. of Agr. Ed.*

Engineering (Agr.):
*†D. G. Carter, M. S., *Head of Dept.*
*†H. T. Barr, B. S. A. E., M. S., *Asst. Prof. and Asst. Agr. Engin.*

Entomology:
*†W. J. Baerg, Ph. D., *Head of Dept.*
*†Dwight Isely, M. A., *Assoc. Prof. and Assoc. Ent.*
*†H. H. Schwardt, M. S., *Instr. and Asst. Ent.*

Extension (Admin.):[1]
Director Gray *in charge.*
‡T. R. Reid, M. S., *Asst. Dir.* (*P. O., Little Rock*).

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

Extension (Admin.)—Continued.
‡E. P. Dargan, *Statistician (P. O., Little Rock).*
‡Connie J. Bonslagel, A. B., *State Home Dem. Agt. (P. O., Little Rock).*
‡W. J. Jernigan, B. A., *State Boys' and Girls' Club Leader (P. O., Little Rock).*

Forestry:
‡W. K. Williams, jr., B. S., M. F., *For. Specialist.*

Home Economics:
*†Mrs. Henrietta K. Burton, M. A., *Head of Dept.*
‡Gertrude E. Conant, B. A., *Foods and Nutr. Specialist (P. O., Little Rock).*
*Beulah V. Gillespie, M. S., *Instr. Home Econ.*
‡Bess P. Hodges, M. S., *Clothing and Textiles Specialist (P. O., Little Rock).*
†Madge E. Johnson, M. A., *Home Econ. Research.*
‡Ruby Mendenhall, B. S., *Food Preservation Specialist (P. O., Little Rock).*
*M. Agnes Nelson, M. A., *Instr. Home Econ.*
*Margaret E. Smith, M. S., *Asst. Prof. Home Econ.*

Horticulture:
*†J. R. Cooper, M. S., *Head of Dept.*
*†V. M. Watts, M. S., *Asst. Prof. and Asst. Hort.*
*†C. B. Wiggans, M. S., *Asst. Prof. and Asst. Hort.*
‡Claude Woolsey, M. S., *Hort. Specialist.*

Plant Pathology:
*†V. H. Young, Ph. D., *Head of Dept.*
*†H. R. Rosen, Ph. D., *Assoc. Prof. and Assoc. Plant Path.*
†E. C. Tullis, Ph. D., *Asst. Plant Path.*

Veterinary Science:
*†J. H. Bux, D. V. S., *Head of Dept. (State Vet.: P. O., Little Rock).*
*†S. J. Schilling, M. S., D. V. M., *Assoc. Prof. Vet. Sci.; Asst. Vet.*

Miscellaneous:
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Substations:
Cotton Branch Expt. Sta., *P. O., Marianna*—E. B. Whitaker, B. S., *Asst. Dir. in charge.*
Rice Branch Expt. Sta., *P. O., Stuttgart*—G. H. Banks, B. S., *Asst. Dir. in charge.*
Fruit and Truck Branch Expt. Sta., *P. O., Hope*—G. W. Ware, B. S., *Asst. Dir. in charge.*

State Agricultural, Mechanical, and Normal School, *Pine Bluff*

*Agricultural faculty

*J. B. Watson, *Superintendent*

*Miss M. T. Anthony, *Asst. in Household Econ.*
*Mrs. Eulah L. Peebles, *Dir. Household Econ. Dept.*
*W. L. Webb, *Gen. Crops.*
*C. S. Woodard, B. S., *Dir. and Instr. Smith-Hughes Agr.*

CALIFORNIA

College of Agriculture, the Agricultural Experiment Station, and the Department of Home Economics of the University of California, *Berkeley*

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‡B. H. Crocheron, M. S., *Dir. Agr. Ext. Service*
†H. J. Webber, Ph. D., D. Agr., *Dir. Citrus Expt. Sta.*
*†W. L. Howard, Ph. D., *Dir. Branch of Coll. of Agr., Assoc. Dean Coll. of Agr.*
*†C. B. Hutchison, M. S., *Dir. Giannini Foundation of Agr. Econ., Prof. Agr.; Assoc. Dir. of Research*

Agronomy:
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*†J. W. Gilmore, M. S., *Prof. Agron. (P. O., Davis).*
*†D. R. Hoagland, M. S., *Head Div. of plant Nutr.; Chem.*
*†C. F. Shaw, B. S., *Head Div. of Soil Tech.*

Agronomy—Continued.
†Ruth F. Allen, Ph. D., *Assoc. in Agron. (Coop. U. S. D. A.).*
*C. A. Anderson, Ph. D., *Instr. Geol. (P. O., Davis).*
*†G. B. Bodman, Ph. D., *Instr. and Junior Soil Tech.*
†F. N. Briggs, Ph. D., *Assoc. in Agron. (Coop. U. S. D. A.).*

Agronomy—Continued.

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‡J. E. Coke, B. S., *Agron. Specialist.*
†J. P. Conrad, B. S., *Asst. in Agron. (P. O., Davis).*
†S. W. Cosby, M. S., *Assoc. in Soil Tech.*
*A. R. Davis, Ph. D., *Assoc. Prof. Plant Physiol.*
†J. A. Denny, *Foreman in Cereal Work.*
†W. H. Dore, B. S., *Assoc. Chem.*
†V. H. Florell, M. S., *Assoc. in Agron. (Coop. U. S. D. A.: P. O., Davis).*
†W. F. Gericke, Ph. D., *Assoc. Plant Physiol.*
†F. A. Grier, *Field Asst. in Agron. (P. O., Davis).*
†A. R. C. Haas, Ph. D., *Assoc. Plant Physiol. (P. O., Riverside).*
†F. F. Halma, Ph. D., *Asst. Plant Physiol. (P. O., Riverside).*
*†G. W. Hendry, B. S., *Asst. Prof. and Assoc. Agron.*
†P. L. Hibbard, B. S., *Assoc. Chem.*
*†P. B. Kennedy, Ph. D., *Prof. Agron.; Agrostologist.*
*C. B. Lipman, Ph. D., *Prof. Plant Physiol.*
*†W. W. Mackie, M. S., *Assoc. Agron.*
†J. C. Martin, B. S., *Asst. Chem. in Plant Nutr.*
*†Alfred Smith, Ph. D., *Assoc. Prof. and Assoc. Soil Tech. (P. O., Davis).*
†R. E. Storie, B. S., *Asst. Soil Tech.*
*†T. F. Tavernetti, B. S., *Asst. Prof. Farm Pract. and Asst. to Dean, Coll. of Agr.*
†W. W. Weir, *Assoc. Drainage Engin. (Soils).*

Animal Industry:

*†G. H. Hart, D. V. M., M. D., *Head Div. of An. Husb. (P. O., Davis).*
*†H. H. Cole, Ph. D., *Instr. and Junior An. Husb. (P. O., Davis).*
†A. H. Folger, B. S., *in charge Advanced Registry Work (P. O., Davis).*
†H. R. Guilbert, M. S., *Asst. An. Husb. (P. O., Davis).*
*†C. E. Howell, M. S., *Assoc. An. Husb. (P. O., Davis).*
*†E. H. Hughes,[1] M. S., *Assoc. Prof. and Assoc. An. Husb. (P. O., Davis).*
†S. W. Mead, M. S., *Assoc. An. Husb. (P. O., Davis).*
*†R. F. Miller, M. S., *Assoc. Prof. and Assoc. An. Husb. (P. O., Davis).*
*†W. M. Regan, A. M., *Prof. An. Husb.; An. Husb. (P. O., Davis).*
*†J. F. Wilson, M. A., *Asst. Prof. and Assoc. An. Husb. (P. O., Davis).*

[1] On leave.

Botany:

*†W. A. Setchell, Ph. D., *Prof. Bot.*
*†H. S. Reed, Ph. D., *Prof. Plant Physiol.; Plant Physiol. (P. O., Riverside).*
*†H. A. Borthwick, M. A., *Research Asst. in Bot. (P. O., Davis).*
*E. B. Copeland, Ph. D., *Assoc. in Bot.*
*W. F. Court, *Tech. Asst. in Bot.*
*R. M. Holman, Ph. D., *Assoc. Prof. Bot.*
*†W. W. Robbins, Ph. D., *Prof. Bot.; Bot. (P. O., Davis).*

Chemistry:

*†W. P. Kelley, Ph. D., *Prof. Agr. Chem.; Agr. Chem. (P. O., Riverside).*
*†C. S. Bisson, Ph. D., *Prof. Chem.; Chem. (P. O., Davis).*
†S. M. Brown, *Junior Chem. (P. O., Riverside).*
†H. D. Chapman, Ph. D., *Asst. Chem. (P. O., Riverside).*
*J. G. Sewell, B. S., *Assoc. in Chem. (P. O., Davis).*
†E. E. Thomas, B. S., *Asst. Chem. (P. O., Riverside).*
†A. P. Vanselow, Ph. D., *Asst. Chem. (P. O., Riverside).*

Dairy Industry:

*†C. L. Roadhouse, D. V. M., *Head of Div. (P. O., Davis).*
†F. H. Abbott, B. S., *Assoc. in Dairy Indus. (P. O., Davis).*
‡G. E. Gordon, B. S., *Dairy Specialist.*
†J. L. Henderson, B. S., *Asst. in Dairy Indus. (P. O., Davis).*
*†C. S. Mudge, Ph. D., *Assoc. Prof. Dairy Indus.; Assoc. Bact. (P. O., Davis).*
*†D. H. Nelson, M. S., *Assoc. in Dairy Indus. (P. O., Davis).*
†C. A. Phillips, M. S., *Asst. Dairy Tech. (P. O., Davis).*
*†G. A. Richardson, M. S., *Asst. Prof. Dairy Indus.; Asst. Dairy Chem. (P. O., Davis).*

Economics (Rural):

*†R. L. Adams,[2] M. S., *Prof. Farm Mgt.; Agr. Econ.*
‡E. W. Braun, M. A., *Agr. Econ. Specialist.*
*†H. E. Erdman, Ph. D., *Prof. Agr. Econ.; Agr. Econ.*
‡L. W. Fluharty, B. S., *Farm Mgt Specialist.*

[2] On leave.

Economics (Rural)—Continued.

†S. W. Shear, Ph. D., *Asst. Agr. Econ.*
*†E. C. Voorhies, B. S., *Assoc. Prof. and Assoc. Agr. Econ.*
*†David Weeks, C. E., Ph. D., *Assoc. Prof. and Assoc. in Agr. Econ.*
‡H. R. Wellman, Ph. D., *Agr. Econ. Specialist.*
†C. H. West, M. S., *Asst. Agr. Econ.*
‡F. R. Wilcox, B. S., *Farm Mgt. Specialist.*

Education (Agr.):

*F. L. Griffin, M. S., *Assoc. Prof. Agr. Ed. and Supvr. Nondegree Curriculum (P. O., Davis).*
*H. M. Skidmore, M. S., *Supvr. Agr. Teacher Training (P. O., Davis).*
*W. E. Berg, B. S., *Pubs. Secy.*
‡H. M. Butterfield, M. S., *Supvr. Agr. Corresp. Courses.*
*O. J. Kern, *Asst. Prof. Agr. Ed.*

Engineering (Agr.):

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*†Frank Adams, A. M., *Head Irrig. Invest. and Pract.; Irrig. Econ. (P. O., Davis).*
*†S. H. Beckett, B. S., *Prof. Irrig. Invest. and Pract.; Irrig. Engin. (P. O., Davis).*
*†H. L. Belton, *Farm Building Technician (P. O., Davis).*
‡J. B. Brown, B. S., *Irrig. Specialist (P. O., Davis).*
†J. E. Christenson, B. S., *Junior Irrig. Engin. (P. O., Davis).*
†C. F. Dunshee, B. S., *Asst. Crop Irrig. (P. O., Davis).*
‡J. P. Fairbank, B. S., *Agr. Engin. Specialist (P. O., Davis).*
*†Samuel Fortier, M. E., Sc. D., *Consult. Prof. Irrig. Invest. and Pract.*
†C. V. Givan, A. B., *Tech. Asst. (P. O., Davis).*
†A. H. Hoffman, E. E., *Assoc. Agr. Engin (P. O., Davis).*
†M. R. Huberty, B. S., *Asst. Irrig. Engin. (P. O., Davis).*
†J. W. Jones, M. S., *Assoc. in Irrig. Invest. and Pract. (Coop. U. S. D. A.: P. O., Biggs).*
†J. D. Long, B. S., *Junior Agr. Engin. (P. O., Davis).*
*†B. D. Moses, B. S., *Assoc. Prof. and Assoc. Agr. Engin. (P. O., Davis).*
*†R. L. Perry, B. S., *Instr. and Junior Agr. Engin.*
*†E. J. Stirniman, M. S., *Assoc. Prof. and Assoc. Agr. Engin. (P. O., Davis).*
†C. M. Titus, M. A., *Assoc. Statistician (P. O., Davis).*
†F. J. Veihmeyer, C. E., Ph. D., *Assoc. Irrig. Engin. (P. O., Davis).*

Engineering (Agr.)—Continued.

*†H. A. Wadsworth,[1] B. S., *Asst. Prof. Irrig. Invest. and Pract.; Asst. Irrig. Engin.*
†J. S. Winters, B. S., *Assoc. in Irrig. Engin. (P. O., Davis).*
†R. Wray, *Asst. in Irrig. Invest. (P. O., Davis).*

Entomology:

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†A. J. Basinger, M. S., *Asst. in Ent. (P. O., Riverside).*
†A. M. Boyce, M. S., *Junior Ent. (P. O., Riverside).*
†Harold Compere, *Asst. in Ent. (P. O., Riverside).*
*†E. O. Essig, M. S., *Prof. Ent.; Ent.*
*†S. B. Freeborn, Ph. D., *Assoc. Prof. and Assoc. Ent. (P. O., Davis).*
†J. F. Lamiman, M. S., *Research Asst. Ent. and Parasitol.*
*†H. J. Quayle, M. S., *Prof. Ent.; Ent. (P. O., Riverside).*
†H. H. P. Severin, Ph. D., *Asst. Ent.*
*†H. S. Smith, M. A., *Assoc. Prof. and Ent. (P. O., Riverside).*
†L. M. Smith, M. S., *Asst. in Ent. (P. O., San Jose).*
†R. H. Smith, Ph. D., *Assoc. Ent. (P. O., Riverside).*
*†T. I. Storer, Ph. D., *Assoc. Prof. and Assoc. Zool. (P. O., Davis).*
†P. H. Timberlake, B. A., *Assoc. Ent. (P. O., Riverside.)*
†Jocelyn Tyler, M. A., *Research Asst. Ent.*
*E. C. Van Dyke, B. S., M. D., *Prof. Ent.*
†G. H. Vansell, A. M., *Junior Apiculturist (P. O., Davis).*
*C. W. Woodworth, M. S., *Prof. Ent.*
†F. H. Wymore, M. S., *Research Asst. Ent. and Parasitol. (P. O., Davis).*

Extension (Admin.).:[2]

Director Crocheron *in charge.*
‡Harriet G. Eddy, A. B., *State Home Dem. Leader.*
‡Lillian D. Clark, *Asst. State Home Dem. Leader.*
‡T. C. Mayhew, B. S., *Asst. State Leader, Coast Counties.*
‡W. R. Ralston, B. S., *Asst. State Club Leader.*
‡C. W. Rubel, B. S., *Asst. State Leader, Northern Counties.*
‡May Secrest, B. S., *Asst. State Home Dem. Leader.*
‡Fleda E. Smith, B. S., *Asst. State Home Dem. Leader.*

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[1] On leave.

[2] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

Extension (Admin.)—Continued.
‡L. B. Smith, B. S., *Asst. State Leader, Southern Counties.*
‡F. M. Spurrier, B. S., *Asst. State Club Leader, Northern Counties.*
‡J. E. Tippett. B. S., *Asst. County Agt. Leader and in charge of Specialists.*
‡W. G. Waterhouse, B. S., *Asst. State Club Leader, Coast Counties.*
‡Harold Ellis, *Information and Publicity.*
‡C. F. Elwood, B. S., *Asst. Prof. in charge Public Service Office.*
‡T. F. Hunt, B. S., *Assoc. Prof. Agr. Ext.*
‡W. J. Norton, Ph. G., *Illus. Materials Specialist.*

Forestry:
*†Walter Mulford, F. E., *Head of Div.*
*F. S. Baker, F. E., *Assoc. Prof. For.*
*Emanuel Fritz, M. E., M. F., *Assoc. Prof. For.*
*M. E. Krueger, M. S., *Assoc. Prof. For.*
*‡Woodbridge Metcalf, M. S., *Assoc. Prof. and For. Specialist.*
*†H. E. Malmsten, B. S. F., *Asst. Prof. For.; Asst. Plant Ecologist.*
*†A. W. Sampson, Ph. D., *Assoc. Prof. For.; Plant Ecologist.*
*F. X. Schumacher, B. S., *Asst. Prof. For.*

Genetics:
*†E. B. Babcock, M. S., *Head of Div.*
*R. E. Clausen, Ph. D., *Prof. Genetics.*
*J. L. Collins, Ph. D., *Asst. Prof. Genetics.*
†J. W. Lesley, Ph. D., *Research Asst. in Genetics (P. O. Riverside).*

Home Economics:
*†Mrs. Agnes F. Morgan, Ph. D., *Chair. Dept. of Household Sci.; Research Assoc. in Nutr.*
*Mary F. Patterson, *Chair. Dept. of Household Art and Design.*
†Jessie L. Decker, *Home Furnishing Specialist.*
‡Ethelyn M. Dodson, B. S., *Clothing Specialist.*
*Helen W. Fancher, *Assoc. in Household Art and Design.*
*Hope M. Gladding, *Asst. Prof. Household Art and Design.*
*Lucile Johnson, Ph. D., *Asst. Prof. Household Sci.*
*Mae N. Lent, *Assoc. in Household Art.*
*Ruth E. Okey, Ph. D., *Assoc. Prof. Household Sci.*

Horticulture:
*†H. J. Webber, Ph. D., D. Agr., *Prof. Subtrop. Hort.; Dir. Citrus Expt. Sta. (P. O., Riverside).*
*†F. T. Bioletti, M. S., *Head. Div. of Vit. and Fruit Products.*
*†J. W. Gregg, B. S., *Head Div. of Landsc. Design.*

Horticulture—Continued.
*†W. L. Howard, Ph. D., *Head Div. of Pomol. (P. O., Davis).*
*†H. A. Jones, Ph. D., *Head Div. of Truck Crops; Plant Breeder (P. O., Davis).*
*†L. D. Batchelor, Ph. D., *Prof. Subtrop. Hort.; Hort. (P. O., Riverside).*
*†W. H. Chandler, Ph. D., *Prof. Pomol.; Pomol.*
†F. W. Allen, M. S., *Asst. Pomol. (P. O., Davis).*
*†J. P. Bennett, Ph. D., *Assoc. Prof. and Assoc. Plant Physiol.*
*†I. J. Condit, M. S., *Assoc. in Subtrop. Hort.*
*†W. V. Cruess, B. S., *Assoc. Prof. Fruit Products; Chem.*
†L. D. Davis, *Assoc. in Pomol. (P. O. Davis).*
†L. H. Day, M. S., *Asst. in Pomol. (P. O., Davis).*
†W. P. Duruz, M. S., *Asst. Pomol. (P. O., Davis).*
†H. B. Frost, Ph. D., *Assoc. Plant Breeder (P. O., Riverside).*
†A. H. Hendrickson, Ph. D., *Assoc. Pomol. (P. O., Davis).*
*†R. W. Hodgson, M. S., *Assoc. Prof. Subtrop. Hort.; Assoc. Citriculturist.*
‡W. B. Hooper, B. S., *Specialist in Walnut Culture (P. O., Riverside).*
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†H. E. Jacob, M. S., *Assoc. in Vit. (P. O., Davis).*
*Katherine D. Jones, B. S., *Instr. Landsc. Design.*
†F. B. Lincoln, M. S., *Assoc. in Pomol.*
*L. M. McQuestion, B. S., *Assoc. in Pomol. (P. O., Davis).*
†P. F. Nichols. M. S., *Research Asst. in Fruit Products.*
*†E. L. Overholser, Ph. D., *Asst. Prof. and Assoc. Pomol. (P. O., Davis).*
†E. R. Parker, M. S., *Research Asst. in Orchard Mgt. (P. O., Riverside).*
*O. H. Pearson, M. S., *Instr. Truck Crops (P. O., Davis).*
†G. L. Philp, M. S., *Asst. Pomol. (P. O., Davis).*
*†E. L. Proebsting, Ph. D., *Asst. Prof. and Asst. Pomol. (P. O., Davis).*
‡W. R. Schoonover, M. S., *Citriculture Specialist (P. O., Riverside).*
*H. W. Shepherd, B. S., *Asst. Prof. Landsc. Design.*
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†M. M. Daugherty, M. S., *Asst. Agr. Econ., Actg. Head of Dept.*
†R. O. Bausman, M. S., *Asst. Agr. Econ.*
†H. S. Gabriel, Ph. D., *Asst. Agr. Econ.*

Education (Agr.):
*R. W. Heim, A. M., *Prof. Voc. Agr. Ed.*

[1] On leave.

Entomology:
††H. L. Dozier, Ph. D., *Ent.*
†H. G. Butler, B. S., *Asst. Ent. (P. O., Wyoming).*

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‡Mrs. Helen V. McKinley, B. S., *State Home Dem. Leader.*

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*Elizabeth G. Kelly, M. A., *Asst. Prof. Home Econ.*
*Emily A. King, M. S., *Instr. Home Econ.*

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*†G. F. Gray, M. S., *Instr. and Asst. Hort.*
†F. S. Lagassé, M. S., *Research Hort.*

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*†‡T. F. Manns, Ph. D., *Prof. Plant Path. and Soil Bact.; Plant Path. and Soil Bact.*
††J. F. Adams, Ph. D., *Assoc. Plant Path. and Specialist in Truck Crops and Plant Diseases.*

Miscellaneous:
*††Mrs. Florence Fader, *Secy.*
†Freda Ritz, *Libr.*

[2] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.
[3] Given in the Women's College.

State College for Colored Students, *Dover*

*Agricultural faculty

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*A. T. Wood, B. S., *Dir. of Agr., Instr. Chem.*

*Florence G. Brooks, Phar. C., *Instr. Home Econ.*
*Mrs. Helen B. Grossley, A. M., *Dir. Home Econ.*
*J. E. Reid, *Instr. Mech. Arts.*
*Mrs. L. D. Reid, *Libr.*

FLORIDA

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*†‡Wilmon Newell, M. S., D. Sc., *Dean Coll. of Agr., Dir. of Sta., Dir. of Agr. Ext. Div.*
†S. T. Fleming, A. B., *Asst. Dir. of Sta.*

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*O. C. Bryan, Ph. D., *Prof. Agron.*
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†J. H. Wallace, B. S., *Asst. Agron.*

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*†A. L. Shealy, B. S., D. V. M., *Vet. in charge of Dept.*
*C. H. Willoughby, B. Agr., M. A., *Prof. An. Husb. and Dairying.*
*N. W. Sanborn, M. D., *Prof. Poultry Husb.*
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†F. N. Brennels, B. S., *Asst. in Dairy Invest.*
‡H. L. Brown, B. S., *Ext. Dairyman.*
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†R. M. Barnette, Ph. D., *Asst. Chem. (Soil Invest.).*
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†E. G. Moore, M. S., *Asst. Editor.*

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*Frazier Rogers, B. S., *Prof. Agr. Engin.*

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†H. E. Bratley, M. S., *Asst. Ent. (Pecan Invest.).*
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†R. L. Miller, Ph. D., *Asst. Ent.*
†A. N. Tissot, M. S., *Asst. Ent.*
†F. W. Walker, *Asst. Ent. (Pecan Invest.: P. O., Monticello).*

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‡Isabelle S. Thursby, B. S., *Food and Mktg. Agt.*

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*M. D. Cody, M. A., *Prof. Bot. and Bact.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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*E. L. Lord, B. A., *Prof. Hort.*
†Harold Mowry, *Asst. Hort.*
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*J. V. Watkins, B. S., *Asst. in Hort.*

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†L. O. Gratz, Ph. D., *Assoc. Plant Path.* (*P. O., Hastings*).
*John Gray, M. S., *Prof. Plant Path. and Econ. Ent.*
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†K. W. Loucks, B. S., *Lab. Asst. in Plant Path.*
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†A. S. Rhoads, Ph. D., *Assoc. Plant Path.* (*P. O., Cocoa*).
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†Erdman West, B. S., *Mycol.*

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†M. N. Walker, Ph. D., *Asst. Cotton Specialist.*

Veterinary Science—See **Animal Husbandry.**

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J. F. Fudge, Ph. D., *Chem.*
Everglades Expt. Sta., *P. O., Belle Glade*—
R. V. Allison, Ph. D., *Soils Specialist.*
J. A. Naftel, B. S., *Field Asst.*
J. H. Hunter, M. S., *Asst., Agron.*
——— ———, *Assoc. Plant Path.*
G. E. Tedder, *Foreman.*
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‡J. L. Anderson, B. S., *Field. Agt. in Mktg.*
‡L. E. Farmer, B. S., *Field Agt. in Mktg.*
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*R. M. Middleton, B. S., *Research in Mktg.*[1]

[1] In cooperation with the Georgia experiment station.

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‡Laura E. Blackshear, *Illustrator.*
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*L. M. Sheffer, B. S., *State Supvr. Agr. Ed.*
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*J. K. Alvis, B. S., A. E., *Adjunct Prof. Agr. Engin.*
‡W. A. Clegg, M. S., *Field Agt. in Agr. Engin.*
‡G. I. Johnson, B. S., A. E., *Field Agt. in Agr. Engin.*
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‡Du Pre Barrett, B. S. F., *Field Agt. in For.*
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*Matilda Callaway, M. S., *Assoc. Prof. Textiles and Clothing.*
*Epsie Campbell, B. S., *State Supvr. Voc. Home Econ.*
*Edith V. Creswell, B. S., *Assoc. Prof. Home Econ.*

[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

Home Economics—Continued.
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*Bennie M. Gartrell, B. S. H. E., *Research in Home Econ.*
*Edith Hanson, B. S H. E., *Teacher in Pract. School.*
*Virginia Harris, A M., *Assoc. Prof. Home Econ.*
*Mildred Ledford, B. S., *Adjunct Prof. Fine and Applied Arts.*
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‡Frances A. McLanahan, B. S. H. E., *Clothing Specialist.*
‡Susan J. Mathews, B. S. H. E., *Nutr. Specialist.*
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*Pauline Park, B. S.,*Assoc. Prof. Home Econ. in charge Nursery School.*
‡Certie Reynolds, Ph. D., *Specialist in Nutr. and Parent Ed.*
*Rhea C. Scott, B. S., *Assoc. Prof. Institutional Mgt., in charge of Cafeteria.*

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‡G. H. Firor, B. S., *Field Agt. in Hort.*
‡H. W. Harvey, B. S., *Landsc. Gard. Specialist.*
*T. J. Harrold, B. S., *Research in Hort.*
*R. L. Keener, B. S., *Assoc. Prof. Hort.*

[1] In cooperation with the Georgia experiment station.

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‡J. C. Morcock, B. S., *Field Agt. in Veg. Gard.*
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*J. S. Moore, B. S., *Adjunct Prof. Poultry Husb.*
*F. E. Mitchell, B. S., *Supvr. Egg-Laying Contest.*
*J. C. Bell, B. S., *Research in Poultry Husb.*
‡W. P. Clarke, B. S., *Field Agt. in Poultry Husb.*
‡R. J. Richardson, B. S., *Field Agt. in Poultry Husb.*

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*R. W. Jones, D. V. M., *Assoc. Prof. Vet. Med.*
*W. F. McLendon, D. V. M., *Assoc. Prof. Vet. Med.*
*A. J. Osteen, *Instr. Vet. Med.*
*H. V. Persells, D. V. M., *Assoc. Prof. Vet. Med.*
*R. C. Wilson, Ph. G., *Prof. Pharmacol. and Materia Medica.*

Miscellaneous:
*Nelle M. Reese, *Libr.*

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†S. J. Hadden, *Asst. Agron.*
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†B. M. Jackson, *Asst. An. Husb.*

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Miscellaneous:
†Sarah L. Kilpatrick, *Libr. and Secy.*

[2] In cooperation with the Georgia State College of Agriculture.

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†J. L. Stephens, B. S., *Forage Crop Specialist (Coop. U. S. D. A.).*
†J. C. Walters, *Asst. Agron.*
†Otis Woodard, B. S., *Hort.*

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*Miss A. B. Dixon, *Instr. Dom. Sci.*
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‡P. H. Stone, *State Agt.*
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*Robert Thomas, *Farm Supt.*
‡Camilla Weems, *State Home Dem. Agt.*
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GUAM

Agricultural Experiment Station, *Guam, Island of Guam*

Under supervision of the Office of Experiment Stations, United States Department of Agriculture

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†Joaquin Guerrero, *Asst. in Hort.*
†Peter Nelson, *Admin. Asst.*
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HAWAII

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*R. S. Bean, B. S., *Instr. Bot.*
*H. F. Bergman, Ph. D., *Prof. Bot.*
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Kenneth Kerns, B. S., *Asst. Geneticist.*
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†Carl Nesbitt, *Asst. Chem.*

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†L. F. Burkhart, *Field Supt.*
*†G. R. McDole, M. A., *Assoc. Prof. Agron.; Soil Tech.*
‡L. D. Raeder, B. S., *Asst. Field Agron. (P. O., Boise).*
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*E. F. Mason, B. Lit., *Dir. of Pubs.*

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*B. L. Brigham, M. S., *Supvr. Pract. Teaching in Agr.*

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‡Marion M. Hepworth, B. S., *State Home Dem. Leader and Nutr. Specialist.*

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*Dorothy G. Ellis, M. A., *Assoc. Prof. Home Econ.*
*Ida Ingalls, M. A., *Asst. Prof. Home Econ.*

[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.
[3] Given in College of Letters and Science.

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*Adah Lewis, M. S., *Assoc. Prof. Home Econ.*
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†J. B. Andrews, M. S., *Assoc. in Farm Organ. and Myt.*

[1] Courses given in College of Commerce.
[2] Courses given in College of Education.
[3] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
[4] On leave.

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*Irene M. Barnes, A. M., *Instr. Costume Design.*

*Harriet T. Barto, A. M., *Asst. Prof. Dietetics.*

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Home Economics—Continued.

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*E. Evelyn Smith, M. A., *Assoc. Prof. Institutional Mgt.*

‡M. Attie Souder, B. S., *Assoc. in Home Mgt. Ext.*

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*Virginia H. Weaver, M. A., *Assoc. in Home Decoration.*

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Horticulture:

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*Harland Bartholomew, C. E., *Assoc. Prof. Civic Design.*

*†A. S. Colby, Ph. D., *Assoc. Prof. and Assoc. Chief in Pomol.*

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*†M. J. Dorsey, Ph. D., *Prof. and Chief in Pomol.*

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*†W. A. Huelsen, M. S., *Asst. Prof. and Asst. Chief in Oler.*

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Horticulture—Continued.
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*†L. H. Strubinger, B. S., *First Asst. in Olcr.*
*†H. H. Thornberry, M. S., *Asst. in Pomol.*
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Animal Husbandry:
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Dairy Husbandry—Continued.

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†George Spitzer, Ph. G., B. S., *Assoc. in Dairy Chem.*
‡E. T. Wallace, M. S., *Asst. Dairy Husb.*
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‡G. A. Williams, M. S., *Asst. in Dairy Husb.*

Economics—*See* **Farm Management.**

Education (Agr.):

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*C. W. Hemmer, M. S., *Asst. in Voc. Agr.*
*J. R. Rees, B. S., *Asst. in Voc. Agr.*
*W. A. Smith, M. S., *Instr. Agr. Ed.*

Engineering (Agr.):

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*C. C. Cunningham, B. S., C. E., *Assoc. Prof. Agr. Engin.*
*R. B. Goss, *Instr. Agr. Engin.*
†T. E. Hienton, B. S., A. E., *Assoc. in Agr. Engin.*
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Entomology:

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‡G. C. Oderkirk, B. S., *Rodent Control Work* (*Coop. U. S. D. A.*).
*W. A. Price, M. S., *Assoc. Prof. Ent.*
†H. K. Riley, B. S., *Asst. Ent.*
†L. F. Stenier, M. S., *Asst. Ent.*
*James Troop, M. S., *Prof. Ent.*

Extension (Admin.):[1]

Director Skinner *in charge.*
‡T. A. Coleman, *Asst. Dir. and County Agt. Leader.*
‡Lella R. Gaddis, *State Home Dem. Leader.*
‡Z. M. Smith, A. M., *State Club Leader.*
‡W. R. Amick, B. S., *Asst. in Boys' and Girls' Clubs.*
‡H. F. Ainsworth, B. S., *Asst. in Boys' and Girls' Clubs.*
‡W. Q. Fitch, B. S., *State Leader of Farmers' Insts.*
‡G. M. Frier, B. S., *Assoc. in charge Short Courses and Exhibits.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

Extension (Admin.)—Continued.
‡W. F. Graham, B. S., *Asst. in Short Courses and Exhibits.*
‡Mabel L. Harlan, *Admin. Asst.*
‡L. E. Hoffman, B. S., *Asst. County Agt. Leader.*
‡T. R. Johnston, *Asst. County Agr. Leader and in charge Informational Service.*
*‡W. C. Latta, M. S., *Prof. and Consult. Specialist in Agr.*
‡Meta E. Martin, B. S., *Asst. State Home Dem. Leader.*
‡May A. Masten, B. S., *Asst. State Club Leader.*
‡F. M. Shanklin, A. M., *Asst. in Boys' and Girls' Clubs.*
‡Neva M. Stephenson, B. S., *Asst. in Boys' and Girls' Clubs.*
*‡R. C. Woodworth, *Asst. in Information Service.*

Farm Management and Rural Economics:
*†O. G. Lloyd, M. S., *Head Dept. of Farm Mgt.*
*‡O. F. Hall, A. B., S. T. B., *Assoc. in Rural Life Studies.*
†L. G. Hobson, M. S., *Asst. in Farm Mgt.*
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*J. B. Kohlmeyer, M. S., *Instr. Farm Mgt.*
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Forestry:
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Home Economics: [1]
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*Amy I. Bloye, Ph. B., *Head Dept. of Foods and Nutr.*
*M. Edith Gamble, M. A., *Head Dept. of Institution Mgt.*
*Amy Howe, Ph. B., *Head Dept. of Textiles and Clothing.*
*Edith Palmer, B. S., *Head Dept. of Applied Art.*
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[1] Given in School of Science.

Home Economics—Continued.
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*Ruby Clark, *Asst. on Institution Mgt.*
*Rose M. Darst, M. A., *Asst. in Applied Design.*
†Ruth Jordan, B. S., *Asst. in Home Econ.*
*Anita E. Kuehn, M. S., *Instr. Textiles and Clothing.*
*Hazel M. Landin, M. A., *Asst. Prof. Household Admin.*
*Mary B. Lawton, M. S., *Instr. Foods.*
*Olena R. McCain, B. S., *Asst. in Clothing and Textiles.*
‡Kathryne L. McMahon, B. S., *Asst. in Home Econ.*
*Marguerite G. Mallon, Ph. D., *Asst. Prof. Nutr.*
‡Dorothea Muehl, B. S. in H. E., *Asst. in Home Econ.*
‡Gertrude Owen, A. B., *Asst. in Home Econ.*
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*Agnes Watson, *Asst. in Voc. Home Econ.*
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Horticulture:
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Poultry Husbandry:
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Regulatory (State Chem. and Seed Work):
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†Pauline Balbach, *Seed Analyst.*
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Substations:
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Editorial—*See* **Journalism.**

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Entomology—*See* **Zoology.**

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‡C. G. Elling, B. S., *Ext. Assoc. Prof. An. Husb.*
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‡C. E. Graves, M. S., *Ext. Asst. Prof. Plant Path.*
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*Elsa O. Horn, M. S., *Instr. Bot. and Plant Path.*
†C. O. Johnston, M. S., *Asst. in Cereal Diseases (Coop. U. S. D. A.).*
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*†J. S. Hughes, Ph. D., *Prof. Chem.; An. Nutr.*
*†J. T. Willard, D. Sc., *Vice Pres. of Coll.; Consult. Chem.*
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*†W. H. Martin, M. S., *Prof. Dairy Husb.; in charge Dairy Mfrs.*

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Editorial—*See* **Journalism.**

[1] On leave.

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[2] On leave.

[3] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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*†‡Jos. H. Martin, M. S., *Prof. and in charge Poultry Husb.*
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‡Zelma Monroe, B. S., *Asst. State Home Dem. Agt.*

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‡J. M. Feltner, *Field Agt. in Club Work (P. O., London).*

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‡W. W. Magill, B. S., *Field Agt. in Hort.*

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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†N. J. Howard, *Insp. Creameries.*
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†W. G. Taggart, B. S., *Asst. Dir. of Stations*
‡W. B. Mercier, B. S., *Dir. of Agr. Ext. Dept.*

Agronomy:
†John Gray, M. S., *Agron.*
*W. R. Hendrix, B. S., *Prof. Agron.*
†Hugo Stoneberg, M. S., *Cereal Invest. Specialist (Coop. U. S. D. A.).*
*R. A. Wasson, M. S., *Asst. Prof. Agron.*

Animal Industry:
*†C. I. Bray, Ph. D., *Head Dept. of An. Indus.*
*†C. W. Upp, M. S., *Head of Poultry Dept.*
*J. B. Francioni, M. S., *Asst. Prof. An. Husb.*

Animal Industry—Continued.
*†W. M. Ginn, M. S., *Instr. and Asst. in Poultry Husb.*
‡C. L. Hill, B. S., *Asst. Poultry Specialist.*
‡Clyde Ingram, M. S., *Poultry Specialist.*
‡M. M. La Croix, B. S., *Swine Specialist.*
‡L. E. Morgan, M. D., *Livestock and Tick Erad. Specialist.*
‡E. W. Neasham, B. S., *Dairy Specialist.*
*†M. G. Snell, Ph. D., *Asst. Prof. and Asst. An. Husb.*
*C. H. Staples, B. S., *Asst. Prof. in charge Dairying.*
*G. F. White, B. S., *Instr. Dairying.*

Botany and Bacteriology:
*†C. W. Edgerton, Ph. D., *Prof. Bot. and Bact.; Plant Path.*
†H. B. Brown, Ph. D., *Cotton Specialist.*
†W. L. Owen, B. S., *Research Bact.*
*C. A. Brown, M. A., *Instr. Bot.*
*W. N. Christopher, M. S., *Asst. Prof. Bact.*
†H. H. Flor, M. S., *Asst. Plant Path.*
*I. L. Forbes, B. S., *Instr. Bot.*
†P. J. Mills, M. S., *Asst. Plant Path.*
*C. F. Moreland, M. S., *Assoc. Prof. Bot. and Bact.*
†A. G. Plakidas, Ph. D., *Asst. Plant Path.*
†E. C. Tims, Ph. D., *Asst. Plant Path.*

Chemistry:
†A. P. Kerr, M. S., *Chief Chem.*
*C. E. Coates, Ph. D., *Prof. Chem., Dean of Sugar School.*
*A. R. Choppin, M. S., *Instr. Chem.*
†W. P. Denson, B. S., *Asst. Chem.*
†J. L. Farr, M. S., *Asst. Chem.*
*E. A. Fieger, Ph. D., *Asst. Prof. Chem.*
*Raymond Freas, Ph. D., *Assoc. Prof. Chem.*
*†C. B. Gouaux, M. S., *Sugar Cane Specialist (P. O., Lafayette).*
*P. M. Horton, Ph. D., *Assoc. Prof. Chem.*
†J. H. Jolly, B. S., *Asst. Chem.*
*R. L. Menville, M. S., *Assoc. Prof. Chem.*
†C. C. Moreland, B. S., *Asst. Chem.*
*F. J. Robichaux, M. S., *Asst. Prof. Chem.*
*C. Q. Sheely, B. S., *Asst. in Chem.*
*Leland Stewart, M. S., *Instr. Chem.*
*J. M. Webre, B. S., *Instr. Chem.*

Economics (Agr.):
*†W. M. Stevens, M. B. A., Ph. D., *Prof. Mktg. and Mktg. Specialist.*
*†R. L. Thompson, M. S., *Asst. Prof. Rural Econ. and Sociol.; Agr. Econ.*

Editorial and Publicity:
‡B. B. Mackay, *Editor.*
‡Marjorie B. Arbour, M. A., *Asst. Editor.*

Education (Agr.):
*J. G. Lee, jr., B. S., *Prof. Agr. Ed.*
*R. L. Davenport, M. S., *Asst. Prof. Agr. Ed.*

Engineering (Agr.):
*†C. S. Nadler, M. S., *Sugar Engin. Specialist.*
*†C. L. Osterberger,, B. S., *Instr. and Specialist in Farm Mech.*

Entomology—*See* **Zoology.**

Extension (Admin.):[1]
Director Mercier *in charge.*
‡F. W. Spencer, B. A., *Asst. Dir. and State Agt.*
‡Ellen LeNoir, B. A. *State Home Dem. Agt.*
‡W. C. Abbott, B. S., *State Club Agt.*
‡G. L. Burleson, B. S., *Asst. Club Agt.*
‡L. E. Perrin, *Asst. State Agt.*

Home Economics:
*Ellen A. Reynolds, Ph. D., *Prof. Home Econ.*
*Hazel Baker, B. S., *Instr. Home Econ.*
*Helen M. Carter, M. A., *Assoc. Prof. Home Econ.*
*Frances Kirkpatrick, B. S., *Instr. Home Econ.*
*Bess Smemer, *Asst. Prof. Home Econ.*
†Gertrude Sunderlin, Ph. D., *Home Econ. Research.*
*Susanne Thompson, M. S., *Asst. Prof. Home Econ.*

Horticulture and Forestry:
*J. G. Lee, sr., B. S., *Prof. Hort. and For.*
††G. L. Tiebout, B. S., *Hort. Specialist.*
‡H. W. Fristoe, B. S., *Garden and Orchard Specialist.*
*R. W. Hayes, B. S., M. F., *Asst. Prof. For.*
‡Montford Hull, *Assoc. Hort. Specialist.*
*G. D. Marckworth, B. S., M. F., *Assoc. Prof. For.*
‡Robert Moore, B. S., *For. Specialist.*
*B. H. Singletary, M. S., *Asst. Prof. Hort.*

Physics:
*D. V. Guthrie, Ph. D., *Prof. Phys.*
*R. C. Keen, B. S., *Asst. Prof. Phys.*
*W. H. Moreland, B. S., *Instr. Phys.*
*Beauregard Perkins, jr., B. S., *Asst. Prof. Phys.*

Veterinary Science:
*†Harry Morris, D. V. M., *Actg. Prof. Vet. Sci.; Bact. and Vet.*

---

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

Zoology and Entomology:
*W. H. Gates, D. Sc., *Prof. Zool. and Ent.*
††W. E. Hinds. Ph. D., *Ent.*
†Norman Allen. M. S., *Asst. Ent.*
*Elinor H. Behre, Ph. D., *Assoc. Prof. Zool.*
‡E. C. Davis, *Specialist in Bee Culture.*
*R. M. DeCoursey, Ph. D., *Prof. Ent.*
*J. R. Fowler, B. S., *Instr. Zool.*
†C. O. Hopkins, M. S., *Asst. Ent.*
*E. C. Keaty, B. A., *Instr. Zool.*
*†R. L. Mayhew, Ph. D., *Asst. Prof. Zool.; Research Parasitol.*
†B. A. Osterberger, B. S., *Asst. Ent.*
*O. W. Rosewall, Ph. D., *Prof. Ent.*
†Herbert Spencer, Ph. D., *Asst. Ent. and Parasitol.*

Zoology and Entomology—Continued.
*H. A. Stabe, M. S., *Asst. Prof. Ent.*
†C. L. Stracener, *Asst. in Ent.*

Miscellaneous:
*Annie M. Beale, *Asst. Libr.*
††J. K. McHugh, *Libr.*
*J. A. McMillen, A. B., B. L. S., *Libr.*
*††R. P. Swire, B. A., *Treas.*

Branch Stations.
Fruit and Truck Sta., *P. O., Hammond*—B. Szymoniak, B. S., *Supt. in charge.*
North La. Sta., *P. O., Calhoun*—Sydney Stewart, B. S., *Supt. in charge.*
Rice Sta., *P. O., Crowley*—J. M. Jenkins, B. S., *Supt. in charge (Coop. U. S. D. A.).*

Southern University and Agricultural and Mechanical College of the State of Louisiana, *Baton Rouge*

*Agricultural faculty

*J. S. Clark, Ph. D., *President*

*E. S. Burke, *Poultry Husb.*
*J. M. Coruthers, M. S., *Hort. and Dairying.*
*Rebecca R. Franklin, *Foods (Ext. Work).*
*Floid B. Green, B. S., *Foods.*
*Velma Perkins, *Dressmaking.*
*Cornelius B. King, B. S., *Dir. of Agr. and Teacher Training.*
*Julia L. Skinner, M. S., *Dir. of Home Econ. and Teacher Training.*
*J. H. Theus, *Agr.*
*L. M. Ward, B. S., *An. Husb.*

MAINE

College of Agriculture and the Agricultural Experiment Station of the University of Maine, *Orono*

*College faculty. †Station staff. ‡Extension staff

*H. S. Boardman, C. E., D. Eng., LL. D., *President of University*
*‡L. S. Merrill, M. D., D. Sc., *Dean Coll. of Agr., Dir. Agr. Ext. Service*
†W. J. Morse, Ph. D., Sc. D., *Dir. of Sta.*

Agronomy:
*G. E. Simmons, D. Sc., *Prof. Agron.*
‡A. K. Gardner, B. S., *Crops Specialist.*
*B. C. Helmick, M. S., *Asst. Prof. Agron.*
*W. T. Snyder, M. S., *Asst. Prof. Agron.*
*H. C. Swift, M. S., *Asst. Prof. Agron.*

Animal Industry:
*L. S. Corbett, M. S., *Prof. An. Indus.*
*L. M. Dorsey, M. S., *Assoc. Prof. An. Indus.*
*L. P. Gardner, M. S., *Asst. Prof. Poultry Husb.*
*H. W. Hall, M. S., *Instr. An. Indus.*
‡R. F. Talbot, B. S., *Dairy Specialist.*
‡H. L. Richardson, B. S., *Poultry Specialist.*

Bacteriology:
*F. L. Russell, B. S., V. S., *Prof. Bact. and Vet. Sci.*
*E. R. Hitchner, M. S., *Assoc. Prof. Bact.*

Biology:
†Fred Griffee, Ph. D., *Biol.*
†J. W. Gowen, Ph. D., *Biol. (Collaborating).*
*F. H. Steinmetz, Ph. D., *Prof. and Head Div. of Bot.*
†Mrs. Iva M. Burgess, M. S., *Asst. in Biol.*
†F. B. Chandler, *Asst. in Blueberry Invest.*
†Mildred R. Covell, *Asst. in Biol.*
†Mrs. Margaret S. Dermen, M. A., *Asst. in Biol.*
*Haig Dermen, M. S., *Instr. Bot.*
*C. O. Dirks, M. S., *Asst. Prof. Ent.*
†W. F. Dove, Ph. D., *Assoc. Biol. (An. Brdg. and Nutr.).*
†A. C. Hildreth, Ph. D., *Assoc. Biol. (Blueberry Invest.).*
*Fay Hyland, B. S., *Instr. Bot.*
†Mrs. Emmeline W. Kenney, *Lab. Asst. in Biol.*

Biology—Continued.
†D. B. Lovejoy, B. S., *Asst. Biol. (Plant Brdg. and Nutr.).*
†F. Y. Owen, Ph. D., *Assoc. Biol. (Plant Brdg. and Nutr.).*

Chemistry:
*L. H. Merrill, Sc. D., *Prof. Biol. and Agr. Chem.*
†J. M. Bartlett, D. Sc., *Chem.*
†B. E. Plummer, jr., M. S., *Asst. Chem.*
*H. W. Smith, M. S., *Asst. Prof. Biol. and Agr. Chem.*
†E. R. Tobey, M. S., Ch. E., *Chem.*
†C. H. White, Ph. C., *Assoc. Chem.*

Economics (Agr.):
*†C. H. Merchant, Ph. D., *Prof. Agr. Econ. and Farm Mgt.; Agr. Econ.*
†J. L. Babson, jr., M. S., *Asst. Agr. Econ.*
†G. F. Dow, B. S., *Asst. Agr. Econ.*
*M. D. Jones, M. S., *Assoc. Prof. Agr. Econ. and Farm Mgt.*
‡D. W. Reed, B. S., *Farm Mgt. Dem.*

Editorial:
‡G. K. Rule, B. S., *Agr. Editor.*

Education (Agr.):
*H. S. Hill, A. B., *Prof. and State Supvr. Agr. Ed.*

Entomology:
†Edith M. Patch, Ph. D., *Ent.*
†J. H. Hawkins, M. S., *Asst. Ent.*
†C. R. Phipps, M. S., *Assoc. Ent.*
†Alice W. Averill, *Lab. Asst. Ent.*

Extension (Admin.):[1]
Director Merrill *in charge.*
‡A. L. Deering, B. S., *Asst. Dir. and County Agt. Leader.*
‡Estelle Nason, B. S., *State Home Dem. Leader.*
‡L. H. Shibles, A. B., *State Club Leader.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

Extension (Admin.)—Continued.
‡Mildred G. Brown, B. S., *Asst. State Club Leader.*

Forestry:
*J. M. Briscoe, M. F., *Prof. For.*
*C. W. L. Chapman, M. S., *Asst. Prof. For.*
‡R. M. Hutchinson, B. S., *For. Specialist.*
*G. I. Stewart, B. S., M. F., *Asst. Prof. For.*

Home Economics:
*†Pearl S. Greene, M. A., *Prof. Home Econ.*
*Louise Bancroft, B. S., *Asst. Prof. Home Econ.*
*Rena Campbell, B. S., *Instr. Home Econ.*
‡Edna M. Cobb, B. S., *Household Mgt. Specialist.*
*Beulah E. Osgood, B. S., *Instr. Home Econ.*
†Gail M. Redfield, M. S., *Asst. in Home Econ. Research.*
‡Helen C. Spaulding, B. S., *Clothing Specialist.*
*Mrs. Marion D. Sweetman, M. S., *Asst. Prof. Home Econ.*
‡Therese E. Wood, B. S., *Foods Specialist.*

Horticulture:
*J. H. Waring, M. S., *Prof. Hort.*
*M. F. Babb, B. S., *Instr. Hort.*
*G. W. Woodbury, B. S., *Instr. Hort.*

Plant Pathology:
†Donald Folsom, Ph. D., *Plant Path.*
†Bernice M. Babbin, *Lab. Asst. in Plant. Path.*
†Reiner Bonde, M. S., *Assoc. Plant Path.*
†Florence L. Markin, M. S., *Asst. Plant Path.*

Substations:
Aroostook Farm, *P. O., Presque Isle*—S. O. Hanson, *Supt.*
Highmoor Farm, *P. O., Monmouth*—I. H. Cheney, B. S., *Supt.*

MARYLAND

Colleges of Agriculture and Home Economics, Agricultural Experiment Station, and the Extension Service of the University of Maryland, *College Park*

*College faculty †Station staff. ‡Extension staff

*R. A. Pearson, M. S., LL. D., D. Agr., D. Sc., *President of University*
*†H. J. Patterson, D. Sc., *Dean Coll. of Agr., Dir. of Sta.*
‡T. B. Symons, M. S., D. Agr., *Dir. of Ext. Service*
*M. Marie Mount, M. A., *Dean Coll. of Home Econ.*

Agronomy:
*†J. E. Metzger, M. A., *Prof. Agron.; Agron.*
*†O. C. Bruce, M. S., *Prof. Soils and Geol.; Soil Invest.*

Agronomy—Continued.
*†G. F. Eppley, M. S., *Assoc. Prof. and Asst. Agron.*
*†W. B. Kemp, Ph. D., *Prof. Genetics and Agron., Asst. Dean of Coll.; Assoc. Agron.*

Agronomy—Continued.
‡F. W. Oldenburg, B. S., *Agron. Specialist.*
†R. G. Rothgeb, Ph. D., *Asst. in Agron.*
†J. M. Snyder, B. S., *Asst. in Soil Invest.*
†R. L. Sellman, B. S., *Asst. Agron and Farm Supt.*
*†R. P. Thomas, Ph. D., *Assoc. Prof. and Assoc. in Soil Tech.*
†H. B. Winant, M. S., *Asst. in Soil Invest.*

Animal and Dairy Husbandry:
*†‡DeVoe Meade, Ph. D., *Prof. An. and Dairy Husb.; An. and Dairy Husb.*
*†B. E. Carmichael, M. S., *Prof. An. Husb.; An. Husb.*
‡H. L. Ayres, *Specialist in Dairy Mfg.*
‡H. C. Barker, B. S., *Dairy Specialist.*
‡K. A. Clark, M. S., *An. Husb. Specialist.*
‡J. A. Conover, B. S., *Dairy Specialist.*
*†W. E. Hunt, M. S., *Asst. Prof. and Asst. An. Husb.*
*†L. W. Ingham, M. S., *Asst. Prof. and Asst. in Dairy Prod.*
*†R. C. Munkwitz, M. S., *Asst. Prof. and Asst. Dairy Husb.*
*J. J. Wetherald, *Asst. in Dairy Mfg.*

Bacteriology:
*†E. M. Pickens, D. V. M., A. M., *Prof. Bact.; An. Path.*
†H. M. De Volt, D. V. M., M. S., *Asst. An. Path.*
*J. E. Faber, jr., M. S., *Instr. Bact.*
†H. B. McDonnell, M. S., M. D., *Chem. in An. Path. Invest.*
*†L. J. Poelma, D. V. M., *Asst. Prof. Dairy Bact.; Asst. An. Path.*
*R. C. Reed, Ph. B., D. V. M., *Prof. An. Path.*
*M. F. Welsh, D. V. M., M. S., *Asst. Prof. Bact. and An. Path.*

Botany:
——— ———, *Prof. Bot.; Bot. and Plant Propagation.*
†F. S. Holmes, M. S., *Seed Insp.*
†Ellen Emack, *Asst. Seed Analyst.*
†Mrs. Anna M. Ferguson, *Asst. Seed Analyst.*
†Ruth M. Mostyn, *Asst. Seed Analyst.*

Chemistry:
*L. E. Bopst, B. S., *Chem. in charge Feed and Fert. Insp.*
*L. B. Broughton, Ph. D., *Prof. Agr. and Food Chem.* (*State Chem.*).
*R. C. Wiley, Ph. D., *Assoc. Prof. Chem.*

Economics—*See* **Farm Management.**

Editorial—*See* **Journalism.**

Education (Agr.):[1]
*H. F. Cotterman, M. A., *Prof. Agr. Ed. and Rural Sociol.*
‡C. S. Richardson, A. M., *Specialist in Ed. Ext.*

Engineering (Agr.):
*‡R. W. Carpenter, A. B., LL. B., *Prof. Agr. Engin.*

Entomology:
*†‡E. N. Cory, Ph. D., *Prof. Ent.; Ent.* (*State Ent.*).
*Paul Knight, M. S., *Asst. Prof. Ent.*
†H. S. McConnell, M. S., *Assoc. Ent.*
‡P. D. Sanders, M. S., *Assoc. Ent.*

Extension (Admin.):[2]
Director Symons *in charge.*
‡F. B. Bomberger, A. M., D. Sc., *Asst. Dir. and Specialist in Mktg.* (*Chief, State Dept. of Markets*).
‡Venia M. Kellar, B. S., *State Home Dem. Agt.*
‡E. G. Jenkins, *State Boys' Club Agt.*
‡Dorothy Emerson, *Girls' Club Agt.*

Farm Management and Economics:
*†‡S. H. DeVault, Ph. D., *Prof. and Specialist in Agr. Econ.*
*‡W. T. L. Taliaferro, D. Sc., *Prof. and Specialist in Farm Mgt.*
*†B. H. Bennett, M. S., *Asst. Agr. Econ.*
‡W. E. Harrison, *Asst. Mktg. Specialist.*
†W. J. Hart, M. S., *Asst. Agr. Econ.*
‡S. B. Shaw, B. S., *Chief Insp. and Mktg. Specialist.*
†W. P. Walker, M. S., *Asst. Agr. Econ.*

Forestry:
*F. W. Besley, M. F., D. Sc. *Prof. For.* (*State For.*).
‡F. B. Trenk, M. S., *For. Specialist.*

Home Economics:
Dean Mount *in charge, and Prof. of Home and Institutional Mgt.*
*Nellie Buckey, B. S., *Asst. in Home Econ. Ed.*
†Margaret Coffin, M. A., *Research Home Econ.*
*Edna Henderson, B. S., *Asst. in Home Econ.*
*Audrey Killiam, B. S., *Asst. in Home Econ.*
*Mrs. Frieda M. McFarland, M. A., *Prof. Textiles and Clothing.*
*Edna B. McNaughton, M. A., *Prof. Home Econ. Ed.*
‡Margaret McPheeters, M. S., *Nutr. Specialist.*

[1] Courses given in College of Education.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal and dairy industry, etc.

Home Economics—Continued.
*Eleanor L. Murphy, B. S., *Asst. Prof. Home Mgt.*
‡Helen Shelby, M. A., *Clothing Specialist.*
*Mrs. Claribel P. Welsh, M. A., *Assoc. Prof. Foods.*

Horticulture:
———— ————, *Prof. Hort.; Hort.*
‡W. R. Ballard, B. S., *Landsc. and Veg. Gard. Specialist.*
*J. B. Blandford, *Instr. and Hort. Supt.*
†F. E. Gardner, Ph. D., *Asst. in Plant Propagation.*
*†F. W. Geise, M. S., *Prof. Oler.; Oler.*
‡L. M. Goodwin, B. S., *Canning Crops Specialist (P. O., Denton).*
†A. L. Schrader, Ph. D., *Assoc. Pomol.*
*A. S. Thurston, M. S., *Assoc. Prof. Flor. and Landsc. Gard.*
‡A. F. Vierheller, M. S., *Hort. Specialist.*
†T. H. White, M. S., *Oler. and Flor.*
*†W. E. Whitehouse, Ph. D., *Asst. Prof. and Asst. Hort.*

Journalism:
‡M. D. Bowers, B. S., *Specialist in Agr. Journalism.*
‡O. R. Carrington, B. A., *Asst. Publicity Agt.*
‡J. M. Hoblitzell, *Asst. Publicity Agt.*

Plant Pathology:
†J. B. S. Norton, D. Sc., *Plant Path.*
*‡C. E. Temple, M. A., *Prof. Plant Path. (State Plant Path.).*
‡H. A. Hunter, B. S., *Canning Crops Path.*
†‡R. A. Jehle, Ph. D., *Assoc. and Specialist in Plant Path.*

Plant Physiology and Biochemistry:
*†C. O. Appleman, Ph. D., *Prof. Plant Physiol. and Biochem.; Plant Physiol. Dean of Grad. School.*
*†C. M. Conrad, Ph. D., *Asst. Plant Physiol.*
*†E. S. Johnston, Ph. D., *Assoc. Prof. and Assoc. Plant Physiol.*
*†C. L. Smith, M. S., *Instr. and Asst in Plant Physiol.*

Poultry Husbandry:
*†R. H. Waite, B. S., *Prof. Poultry Husb.: Poultry Husb.*
*†G. D. Quigley, B. S., *Asst. Prof. and Asst. Poultry Husb.*
‡W. H. Rice, B. S., *Poultry Specialist.*

Miscellaneous:
*Grace Barnes, B. S., B. L. S., *Libr.*

Substations:
Ridgely Farm, *P. O., Ridgely*—Albert White, B. S., *Supt.*

Princess Anne Academy, Eastern Branch of the University of Maryland, *Princess Anne*

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*J. O. Spencer, Ph. D., *President (P. O., Baltimore)*
*T. H. Kiah, Ped. D., *Principal. Theory of Agr.*

*Mary E. Amerson, *Dom. Sci.*
*C. E. Clark, *An. Husb.*
*Blanche O. Leggett, *Dom. Art.*
*S. G. Mansfield, *Asst. Agr.*
‡Louis Martin, *County Agr. Dem.*
*J. E. Smith, *Agr. and Chem.*
*Barton White, *Hort.*

MASSACHUSETTS

Massachusetts Agricultural College and the Agricultural Experiment Station, *Amherst*

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*R. W. Thatcher, M. A., D. Agr., LL. D., *President*
*W. L. Machmer, A. M., *Dean*
*†F. J. Sievers, M. S., *Dir. of Sta. Head Div. of Agr.*
‡W. A Munson, B. S., *Dir. of Ext. Service*

Agronomy:
*†A. B. Beaumont, Ph. D., *Head of Dept.*
*M. H. Cubbon, Ph. D., *Asst. Prof. Agron.*
‡R. W. Donaldson, *Ext. Prof. Agron.*
†J. P. Jones, Ph. D., *Research Prof. Agron.*
*H. R. Knudsen, B. S., *Instr. Agron.*

Agronomy—Continued.
*M. O. Lanphear, M. S., *Asst. Prof. in charge Freshman Agr. Asst. Dean.*
†M. E. Snell, *Tech. Asst. in Agron.*
*C. H. Thayer, *Instr. Agron.*

Animal and Dairy Husbandry:
*†J. H. Frandsen, M. S., *Head of Dept.*
‡C. J. Fawcett, B. S., *Ext. Prof. An. Husb.*

Animal and Dairy Husbandry—Con.
*G. V. Glatfelter, M. S., *Asst. Prof. An. Husb.*
*H. G. Lindquist, M. S., *Instr. Dairying.*
‡W. P. B. Lockwood, M. S., *Ext. Prof. Dairying.*
*M. J. Mack, M. S., *Asst. Prof. Dairying.*
*C. H. Parsons, B. S., *Instr. An. Husb.*
*V. A. Rice, M. Agr., *Asst. Prof. An. Husb.*
†K. E. Wright, M. S., *Asst. Research Prof. Dairy Mfrs.*

Bacteriology and Physiology:
*†G. E. Gage, Ph. D., *Head of Dept.*
*L. A. Bradley, Ph. D., *Asst. Prof. Bact.*
†R. L. France, B. S., *Asst. Bact.*
†J. E. Fuller, A. M., *Asst. Research Prof. Bact.*
*Mary E. M. Garvey, B. S., *Instr. Bact.*
*Joseph Kuzmeski, *Tech. Asst.*
*R. C. Packard, B. S., *Instr. Bact.*

Botany:
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‡L. W. Feighner, *Rural Press Work.*
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[1] For subject-matter workers see the respective division; i. e., agronomy and plant genetics, animal husbandry, etc.

[2] On leave.

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.

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[1] On leave.

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*W. A. Tarr, Ph. D., D. Sc., *Prof. Geol.*

[2] For subject-matter workers see the respective division; i. e., animal husbandry, botany, etc.

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[1] On leave.

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A. E. Seamans, B. S., *Dry Farming (Coop. U. S. D. A.).*
Judith Basin Substa., *P. O. Moccasin*—
I. J. Jensen, M. S., *Supt. (Coop. U. S. D. A.).*
B. B. Bayles, M. S., *Cereal Invest. (Coop. U. S. D. A.).*
D. A. Savage, B. S., *Asst. in Agron. (Coop. U. S. D. A.).*
Northern Mont. Substa., *P. O. Havre*—
G. W. Morgan, B. S., *Supt. (Coop. U. S. D. A.).*
M. A. Bell, B. S., *Asst. Agron.*
Ernest Sandberg, B. S., *Asst. An. Husb. (Coop. U. S. D. A.).*

[1] On leave.

[2] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

[3] On leave.

NEBRASKA

College of Agriculture and the Agricultural Experiment Station of the University of Nebraska, *Lincoln*

*College faculty †Station staff. ‡Extension staff

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*†W. W. Burr, B. S., *Dean Coll. of Agr., Dir. of Sta.*
‡W. H. Brokaw, *Dir. of Agr. Ext. Service.*

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*†T. A. Kiesselbach, Ph. D., *Prof. Agron.; Agron.*
†Arthur Anderson, M. S., *Asst. Agron.*
†G. M. Bahrt, M. S., *Soil Analyst.*
*†E. B. Engle, M. S., *Instr. and Asst. in Soils.*
*T. H. Goodding, M. S., *Asst. Prof. Agron.*
‡D. L. Gross, B. S., *Asst. State Ext. Agt. in Agron.*
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‡P. H. Stewart, M. S., *State Ext. Agt. in Agron.*

Animal Husbandry:
*†H. J. Gramlich, B. S., *Chair. of Dept.*
*W. W. Derrick, B. S., *Instr. An. Husb.*
*†W. J. Loeffel, B. S., *Assoc. Prof. An. Husb.; in charge Swine Invest.*
‡C. S. Maddox, B. S., *Asst. State Ext. Agt. in An. Husb.*
‡O. O. Waggener, B. S., *State Ext. Agt. in An. Husb.*
*†A. D. Weber, M. S., *Asst. Prof. and Asst. An. Husb.*

Bacteriology (Agr.):
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Botany:
*R. J. Pool, Ph. D., *Chair. of Dept.*
*†G. L. Peltier, Ph. D., *Prof. Plant Path.; Plant Path.*
*W. E. Bruner, A. M., *Instr. Bot.*
*†R. W. Goss, Ph. D., *Assoc. Prof. and Assoc. Plant Path.*
*C. E. Rosenquist, M. S., *Asst. Prof. Bot.*

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*F. W. Upson, Ph. D., *Chair. of Dept.*
*†M. J. Blish, Ph. D., *Prof. Agr. Chem.; Chem.*
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†C. W. Ackerson, Ph. D., *Asst. Chem.*
†R. M. Sandstedt, M. S., *Asst. Chem.*
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*†H. P. Davis, M. S., *Chair. of Dept.*
*†L. K. Crowe, M. S., *Instr. and Asst. in Dairy Husb.*

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*†P. A. Downs, Ph. D., *Assoc. Prof. and Assoc. Dairy Husb.*
‡M. L. Flack, M. S., *State Ext. Agt. in Dairy Husb.*
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‡G. R. Boomer, *State Ext. Agt. in Mktg.*
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†Harold Hedges, M. A., *Research Asst. Prof. Rural Econ.*
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*†J. O. Rankin, A. M., *Assoc. Prof. and Assoc. in Rural Econ. (Coop. U. S. D. A.).*

Editorial:
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‡Elton Lux, B. S., *Editorial Asst.*

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*C. C. Minteer, A. M., *Asst. Prof. Voc. Ed.*

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*†E. E. Brackett, B. S. E. E., *Prof. Agr. Engin.; Agr. Engin.*
*A. A. Baer, B. A., *Asst. Prof. Agr. Engin.*
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*C. W. Smith, M. S., *Prof. Agr. Engin.*
†H. L. Wallace, M. S., *Research Engin.*
‡I. D. Wood, M. S., *State Ext. Agt. in Agr. Engin.*

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*Raymond Roberts, B. S., *Instr. Ent.*
*†D. B. Whelan, M. S., *Asst. Prof. and Asst. Ent.*

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‡R. E. Holland, B. S., *Ext. Leader, Eastern Dist.*
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‡Allegra E. Wilkens, *Asst. State Ext. Agt. in Club Work.*

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*Bernice Elwell, B. S., *Instr. Institutional Mgt.*
*Rebekah Gibbons, M. S., *Assoc. Prof. Home Econ.*
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‡Theresa Judge, B. S., *State Ext. Agt. in Clothing.*
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*Evelyn Metzger, *Asst. Prof. Home Econ.*
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*Matilda K. Peters, A. M., *Instr. Home Econ.*

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*Agnes Saunders, A. M., *Asst. Prof. Home Econ.*
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*Bess Steele, B. S., *Asst. Prof. Home Econ.*
*Gladys Winegar, M. S., *Instr. Home Econ.*

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*†H. O. Werner, M. S., *Assoc. Prof. and Assoc. Hort.*
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‡J. R. Redditt, B. S., *State Ext. Agt. in Poultry Husb.*

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†S. W. Alford, D. V. S., *Supt. Serum Plant.*
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*†J. F. Olney, M. S., D. V. M., *Instr. and Asst. in An. Path. and Hyg.*
*L. V. Skidmore, B. S., D. V. M., *Asst. Prof. An. Path.*

Miscellaneous:
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*†Edna C. Noble, B. L., *Libr.*
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L. L. Zook, B. S., *Agron.* (*Coop. U. S. D. A.*).
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J. A. Holden, B. S., *Supt.*
Valentine Substa., *P. O., Valentine*—
E. M. Brouse, B. S., *Supt*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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*College faculty †Station staff. ‡Extension staff

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‡C. W. Creel, B. S., *Dir. of Agr. Ext.*

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†George Hardman, M. S., *Agron.*
†V. E. Spencer, M. S., *Assoc. in Soils Research.*

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*F. W. Wilson, M. S., *Prof. An. Husb.*

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*C. L. Brown, A. M., *Instr. Biol.*
*Margaret S. Canby, M. A., *Instr. Biol.*
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*‡V. E. Scott, B. S., *Prof. Dairy Husb., Dairy and Poultry Specialist.*

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†F. B. Headley, *Chief Dept. of Farm Development.*
†C. A. Brennen, B. S., *Range Econ. (P. O., Elko).*
†R. M. Clawson, B. S., *Asst. in Farm Development.*
†Milton Howard, *Route Statistician.*
†Matilda Marshall, *Specialist in Farm Cost Studies.*
†G. H. Smith, jr., B. S., *Asst. Range Econ. (P. O., Elko).*

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‡A. L. Higginbotham, A. M., *Editor.*

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*†George Hardman, M. S., *Asst. Research Prof. Irrig.*

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‡Mrs. Mary S. Buol, B. S., *Asst. Dir. of Ext.*

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*Jessie P. Pope, M. S., *Asst. Prof. Home Econ.*
*Louise K. Springer, B. S., *Asst. Prof. Home Econ.*

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*G. B. Blair, A. M., *Assoc. Prof. Phys.*
*S. W. Leifson, Ph. D., *Asst. Prof. Phys.*

Range Management:
†C. E. Fleming, B. S., *in charge Range Mgt.*
†Andrew Young, *Asst. in Range Mgt.*

Veterinary Science:
†Edward Records, V. M. D., *Vet.*
†L. R. Vawter, D. V. M., *Vet. Path.*

Miscellaneous:
†Mrs. Martha Bruce, *Illustrator.*
†Grace Costello, *Libr. and Secy.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

NEW HAMPSHIRE

The College of Agriculture and the Mechanic Arts and the Agricultural Experiment Station of the University of New Hampshire, *Durham*

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*†F. W. Taylor, B. S., *Dean Coll. of Agr. Agron.*
††J. C. Kendall, B. S., *Dir. of Sta., Dir. Ext. Service*

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*†M. G. Eastman, M. S., *Assoc. Prof. and Assoc. Agron.*
††F. S. Prince, B. S., *Assoc. Agron. and Ext. Specialist in Soils and Crops.*

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*†J. C. McNutt, B. S., *Prof. An. Husb.; An. Husb.*
†E. G. Ritzman, B. S., *Research Prof. An. Husb.*
*†T. B. Charles, B. S., *Prof. Poultry Husb.; Poultry Husb.*

Animal and Poultry Husbandry—Continued.

†R. M. Batchelder, B. S., *Asst. in An. Nutr.*

*†C. A. Bottorff, B. S., D. V. M., *Instr. and Poultry Path.*

†N. F. Colovos, B. S., *Asst. in An. Nutr.*

†E. W. Lang, *Poultry Tester.*

†A. D. Littlehale, *Shepherd.*

‡F. L. McGettigan, B. S., *Ext. Poultryman.*

*D. E. Rusk, B. S., *Asst. An. Husb.*

*†H. O. Stuart, M. S., *Instr. and Asst. Poultry Husb.*

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*†O. R. Butler, Ph. D., *Prof. Bot.; Bot.*

*†S. J. Dunn, M. S., *Instr. and Asst. Bot.*

*Marian E. Mills, M. A., *Asst. Prof. Bot.*

Chemistry:

*†T. G. Phillips, Ph. D., *Prof. Agr. and Biol. Chem.; Chem.*

*Charles James, F. I. C., D. Sc., *Prof. Chem.*

*A. F. Daggett, B. S., *Instr. Chem.*

*H. C. Fogg, M. S., *Asst. Prof. Chem.*

*R. H. Kimball, A. M., *Instr. Chem.*

†G. P. Percival, M. S., *Asst. Chem.*

*G. A. Perley, A. M., *Assoc. Prof. Chem.*

*†S. R. Shimer, M. S., *Asst. Prof. and Asst. Agr. Chem.*

*M. M. Smith, A. M., *Asst. Prof. Chem.*

†T. O. Smith, M. S., *Assoc. Chem.*

Dairy Husbandry:

*†J. M. Fuller, B. S., *Prof. Dairy Husb.; Dairy Husb.*

*B. E. Huggins, *Instr. Dairy Husb.*

*†H. C. Moore, M. S., *Instr. and Asst. Dairy Husb.*

‡G. L. Waugh, B. S., *Specialist in Dairying.*

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††H. C. Woodworth, M. S., *Agr. Econ. and Farm Mgt. Dem.*

††M. F. Abell, Ph. D., *Asst. Agr. Econ.*

†E. H. Rinear, M. S., *Asst. Agr. Econ.*

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††H. B. Stevens, A. B., *Editor and Executive Secy.*

††E. M. Rowalt, B. S., *Editorial Asst.*

Education (Agr.):

*P. E. Farnum, B. S., *Instr. Agr. Ed.*

Engineering (Rural):

†W. T. Ackerman, M. S., *in charge.*

Entomology:

*†W. C. O'Kane, M. A., *Prof. Econ. Ent.; Ent.* (*State Nursery Insp.*)

*†P. R. Lowry, M. S., *Asst. Prof. Econ. Ent.; Asst. Ent.*

Extension (Admin.):[1]

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‡Daisy D. Williamson, *State Home Dem. Leader.*

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‡Mary L. Sanborn, *Asst. State Club Leader.*

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‡K. E. Barraclough, B. S., *Ext. For.*

*†C. L. Stevens, B. S., M. F., *Asst. Prof. and Asst. For.*

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‡Ann F. Beggs, *Home Mgt. Specialist.*

*Irma G. Bowen, B. S., *Asst. Prof. Household Arts.*

†A. Gertrude Farr, B. S., *Research Asst. in Nutr.*

‡Hazel Hill, B. S., *Clothing Specialist.*

*Mrs. Helen Leighton, *Instr. Home Econ.*

*Carrie A. Lyford, M. A., *Asst. Prof. Home Econ.*

‡Louise R. Whitcomb, B. S., *Nutr. Specialist.*

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*†J. R. Hepler, M. S., *Asst. Prof. and Asst. Hort.*

*†L. P. Latimer, Ph. D., *Asst. Prof. and Asst. Hort.*

*†James Macfarlane, *Instr. Flor.; Florist.*

††H. A. Rollins, M. S., *Fruit Specialist.*

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*H. L. Howes, Ph. D., *Prof. Phys.*

*J. V. Adams, B. S., *Instr. Phys.*

*T. N. Ingraham, B. S., *Instr. Phys.*

*Clement Moran, A. B., *Asst. Prof. Phys.*

*R. R. Starke, A. M., *Asst. Prof. Phys.*

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*D. G. Barton, M. S., *Instr. Zool.*

*Alma D. Jackson, M. A., *Asst. Prof. Zool.*

*Dorothy M. Smith, M. S., *Instr. Zool.*

*Edythe M. Tingley, M. S., *Instr. Zool.*

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††Elizabeth E. Mehaffey, *Asst. Libr.*

---

[1] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.

[2] Courses given in College of Liberal Arts.

NEW JERSEY

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*T. J. Murray, M. S., *Prof. Bact.*
*J. A. Anderson, Ph. D., *Asst. Prof. Bact.*

Botany and Plant Pathology:
*†J. W. Shive, Ph. D., *Chief of Div. Prof. Plant. Physiol.; Plant Physiol.*
*†W. H. Martin, Ph. D., *Prof. Plant Path.; Plant Path.*
*M. A. Chrysler, Ph. D., *Assoc. Prof. Bot.*
†Elizabeth S. Clark, Ph. D., *Research Asst. in Plant Path.*
*Jessie G. Fiske, Ph. B., M. S., *Assoc. Prof. Bot. and Physiol.*
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†C S. Cathcart, M. S., *Chem.*
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*F. R. Davison, Ph. D., *Asst. Prof. Biochem. and Bact.*
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*M. F. Parker, B. S., *Instr. Chem.*
*C. W. Rieman, 3d, Ph. D., *Asst. Prof. Chem.*
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*Mrs. Florence C. Small, M. S., *Instr. Chem.*
†Mary G. Stout, *Technician in Nutr.*
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*H. L. Van Mater, B. S., *Instr. Chem.*

Dairy Husbandry:
*†J. W. Bartlett, A. M., *Prof. Dairy Husb.; Dairy Husb.*

Dairy Husbandry—Continued.
*†C. B. Bender, M. S., *Asst. Prof. and Asst. Dairy Husb.*
*†F. C. Button, B. S., *Assoc. Prof. and Asst. Dairy Husb.*
‡R. G. Connelly, M. S., *Asst. Specialist in Dairy Husb.*
‡E. J. Perry, M. S., *Specialist in Dairy Husb.*

Economics (Agr.):
†A. G. Waller, M. S., *Agr. Econ.*
*Henry Keller, jr., M. S., *Assoc. Prof. Agr. Econ.*
†J. W. Carncross, M. S., *Asst. Agr. Econ.*
†I. V. Emelianoff, M. A., *Asst. in Agr. Chem.*
*†C. B. Howe, M. A., *Asst. Prof. Agr. Econ.; Research Specialist in Mktg.*
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*L. S. Archibald, M. S., *Asst. in Agr. Ed.*
*E. V. Bearer, M. S., *Asst. Prof. Agr. Ed.*

Engineering (Agr):
*††‡E. R. Gross, B. S., *Prof. and Specialist in Agr. Engin.*
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†Augusta E. Meske, *Asst. Ent.*

Extension (Admin.):[2]
Director Baker *in charge.*
‡Marion Butters, B. S., *Asst. Dir.*
‡A. M. Hulbert, *Asst. Dir.*

[1] On leave.

[2] For subject-matter workers see the respective divisions; i. e., animal husbandry, bacteriology, etc.

Forestry:

‡E. L. Scovell, B. S., M. F., *Specialist in Farm For.*

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*A. O. Hayes, Ph. D., *Prof. Geol.*

*A. C. Hawkins, Ph. D., *Actg. Assoc. Prof. Geol.*

*E. R. Pohl, A. M., *Instr. Geol.*

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———— ————, *Prof. Home Econ.*

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‡Marie C. Doermann, B. S., *Specialist in Foods.*

*Leah A. Dufault, *Instr. Home Econ.*

*Mrs. Helen W. Hazen, A. B., *Assoc. Prof. Home Econ.*

*Mary I. Raven, A. M., *Assoc. Prof. Home Econ.*

*Mrs. Mildred R. Seibert, *Instr. Home Econ.*

*Marion Wilson, B. S., *Instr. Home Econ.*

Horticulture:

*†M. A. Blake, B. S., *Chief of Div.*

*†L. B. Arrington, B. S., *Instr. and Asst. in Flor.*

*†H. M. Bickart, B. S., *Instr. Flor.; Assoc. in Ornamental Hort.*

*J. H. Clark, M. S., *Asst. Prof. Pomol.*

*C. H. Connors, Ph. D., *Assoc. Prof. Flor.*

*O. W. Davidson, B. S., *Instr. Pomol.*

*‡A. J. Farley, B. S., *Prof. and Pomol. Specialist.*

†G. T. Nightingale, Ph. D., *Biochem. in Hort.*

‡C. H. Nissley, B. S., *Specialist in Veg. Gard.*

*W. R. Robbins, Ph. D., *Instr. Veg. Gard.*

*L. G. Schermerhorn, B. S., *Prof. Veg. Gard.*

Physics:

*George Winchester, Ph. D., *Prof. Phys.*

*D. D. Porter, A. M., *Instr. Phys.*

*F. R. Pratt, Ph. D., *Prof. Phys.*

Poultry Husbandry:

*W. C. Thompson, B. S., *Prof. Poultry Husb.*

Poultry Husbandry—Continued.

*F. R. Beaudette, D. V. M., *Assoc. Prof. Poultry Path.*

‡L. M. Black, B. S., *Specialist in Poultry Husb.*

*C. S. Platt, M. S., *Asst. Prof. Poultry Husb.*

‡J. C. Taylor, B. S., *Assoc. Specialist in Poultry Husb.*

Soils and Crops:

Dean Lipman, *Chief of Dir.*

*†A. W. Blair, A. M., *Prof. Agr. Chem.; Soil Chem.*

‡H. R. Cox, M. S., *Specialist in Agron.*

†E. E. Evaul, M. S., *Research Asst. in Farm Crops.*

*†J. S. Joffe, Ph. D., *Asst. Prof. Soils; Chem. in Soil Research.*

*†L. L. Lee, B. S., *Asst. Prof. Soils; Research Specialist in Land Utilization.*

†H. C. McLean, Ph. D., *Soil Bact.*

*†Sante Mattson, Ph. D., *Assoc. Prof. Soils; Assoc. Soil Chem.*

*†A. L. Prince, M. S., *Instr. and Asst. in Soil Chem.*

*H. W. Reuszer, B. S., *Instr. Agron.*

*H. B. Sprague, Ph. D., *Asst. Prof. Agron.*

*†R. L. Starkey, Ph. D., *Asst. Prof. Soil Microbiol.; Assoc. Microbiol.*

*†S. A. Waksman, Ph. D., *Assoc. Prof. Soil Microbiol.; Microbiol. and Soil Research.*

Water Supplies and Sewage Disposal:

*Willem Rudolfs, Ph. D., *Prof. Water Supplies and Sewage Disposal.*

Zoology:

*T. C. Nelson, Ph. D., *Prof. Zool.*

*A. A. Boyden, Ph. D., *Asst. Prof. Zool.*

*L. A. Hausman, Ph. D., *Assoc. Prof. Zool.*

*E. B. Perkins, Ph. D., *Instr. Zool.*

Miscellaneous:

*G. A. Osborn, A. M., *Libr.*

‡A. S. Barnhart, B. S., *Agr. Agt. at large.*

‡Mildred B. Murphey, B. S., *Home Dem. Agt. at large.*

‡Anna E. Seng, B. S., *Home Dem. Agt. at large.*

†Elizabeth G. Skillman, B. S., *Asst. Libr.*

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[2] On leave.

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†H. F. Huber, B. S., *Asst. Dir. of Research*

Animal Husbandry:
†F. G. Helyar, B. S., *An. Husb.*
†W. C. Skelley, M. S., *Asst. An. Husb.*

Chemistry:
†C. S. Cathcart, M. S., *Chem.* (*State Chem.*).
†F. S. Beckwith, B. S., *Fert. and Feed Sampler.*
†L. J. Faneuf, B. S., *Junior Chem.*
†F. L. Groendyke, *Fert. and Feed Sampler.*
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Dairy Husbandry:
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†C. B. Bender, M. S., *Asst. Dairy Husb.*
†F. C. Button, B. S., *Asst. Dairy Husb.*
†Fred Gauntt, *Dairyman.*
†W. R. Robbers, *Supt. Advanced Registry.*
†H. H. Tucker, M. S., *Creamery Insp.*

Economics (Agr.):
†A. G. Waller, M. S., *Agr. Econ.*
†J. W. Carncross, M. S., *Asst. Agr. Econ.*

Editorial:
†R. W. DeBaun, B. S., *Editor.*
†Mrs. Herminie B. Kitchen, Litt. B., *Assoc. Editor.*
†W. S. Moreland, B. S., *Asst. Editor.*

Engineering (Agr.):
†E. R. Gross, B. S., *Chief.*
†D. B. Lucas, Ph. D., *Asst. in Agr. Engin.*

Entomology:
†T. J. Headlee, Ph. D., *Ent.* (*State Ent.*).
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†R. C. Burdette, M. S., *Assoc. Ent.*
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†J. M. Ginsburg, Ph. D., *Biochem. in Ent. Invest.*
†C. C. Hamilton, M. S., *Assoc. Ent.*
†Ray Hutson, B. S., *Asst. Ent. in Apiculture.*
†Carl Ilg, *Lab. Asst.*
†Augusta E. Meske, *Asst. Ent.*
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Horticulture:
†M. A. Blake, B. S., *Chief.*
†C. H. Connors, Ph. D., *Chief in Ornamental Hort.*
†S. Adams, *Asst. Pomol.*
†L. B. Arrington, B. S., *Asst. Flor.*
†H. G. Bailey, *Veg. Gard. Foreman.*

Horticulture—Continued.
†H. M. Biekart, B. S., *Assoc. in Ornamental Hort.*
†J. H. Clark, M. S., *Assoc. Pomol.*
†G. T. Nightingale, Ph. D., *Biochem. in Hort.*
†W. R. Robbins, Ph. D., *Asst. in Veg. Gard.*
†L. G. Schermerhorn, B. S., *Oler.*

Plant Pathology:
†W. H. Martin, Ph. D., *Plant Path.*
†R. P. White, Ph. D., *Flor. Path.*
†J. C. Campbell, *Asst. Plant Path.*
†Elizabeth S. Clark, Ph. D., *Asst. in Plant Path.*
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Poultry Husbandry:
†W. C. Thompson, B. S., *Poultry Husb.*
†F. R. Beaudette, D. V. M., *Poultry Path.*
†J. J. Black, D. V. M., *Asst. Poultry Path.*
†W. M. Foote, *Foreman, Passaic County Egg-Laying Contest.*
†C. B. Hudson, M. S., *Asst. Poultry Path.*
†O. N. Massengale, M. S., *Poultry Nutr.*
†C. S. Platt, M. S., *Asst. Poultry Husb.*
†G. H. Schmidt, *Insp. Trap Nesting.*
†Willis Sutter, *Foreman, Egg-Laying Contest* (*P. O., Vineland*).
†L. C. Tyler, *Poultry Research Foreman.*

Seed Analysis:
†Jessie G. Fiske, Ph. B., M. S., *Seed Analyst.*
†Sadie L. Boyce, *Asst. Seed Analyst.*
†Mary E. Peck, M. A., *Asst. Seed Analyst.*
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†Elsie Waddington, *Asst. Seed Analyst.*

Sewage Research:
†Willem Rudolfs, Ph. D., *Chief.*
†N. F. Chamberlain, B. S., *Junior Chem. in Sewage Invest.*
†H. Heukelekian, Ph. D., *Bact. in Sewage Invest.*
†I. O. Lacy, B. S., *Junior Chem. in Sewage Invest.*

Soils and Crops:
Dean Lipman, *Soil Chem. and Bact.*
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†E. E. Evaul, M. S., *Research Asst. in Agron.*
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Soils and Crops—Continued.
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†H. C. McLean, Ph. D., *Soil Bact.*
†A. L. Prince, M. S., *Asst. Soil Chem.*
†H. W. Reuszer, B. S., *Research Specialist in Agron.*
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†J. R. Nelson, B. S., *Oyster Research Specialist (P. O., Bivalve).*

Miscellaneous:
†G. A. Osborn, A. M., *Libr.*
†Elizabeth G. Skillman, B. S., *Asst. Libr.*
†A. F. Stout, *Farm Mgr.*

Substations:
Cranberry Sta., *P. O., Pemberton*—
C. S. Beckwith, M. S., *in charge.*
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NEW MEXICO

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*H. L. Kent, M. S., *President and Dean School of Agr.*
*††Fabian Garcia, M. S., D. Agr., *Dir. of Sta.*
‡W. L. Elser, B. S., *Dir. of Ext. Service*

Agronomy:
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†John Carter, jr., B. S., *Asst. Agron. (P. O., Clayton).*
*†W. T. Conway, B. S., *Asst. Prof. and Asst. Agron.*
*†J. E. McKittrick, M. S., *Asst. Prof. and Asst. Agron.*
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Animal Husbandry:
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‡W. L. Black, D. V. M., *Livestock Specialist.*
*†R. F. Cox, M. S., *Asst. Prof. and Asst. An. Husb.*
†K. P. Pickrell, B. S., *Field Invest. in An. Husb. (P. O., Phoenix, Ariz.).*
†W. E. Watkins, M. S., *An. Husb. and Nutr. Chem.*
†C. P. Wilson, M. S., *Assoc. in Range Plant Invest.*

Biology:
*†R. F. Crawford, M. S., *Prof. Biol.; Biol.*
*†J. R. Eyer, Ph. D., *Assoc. Prof. Biol.; Ent.*
*Maude M. Tully, M. A., *Asst. Prof. Biol.*

Chemistry:
*†C. W. Botkin, A. M., *Prof. Chem.; Chem. (State Chem.).*
*†G. R. Hamiel, M. A., *Asst. Prof. and Asst. Chem.*
*†L. B. Shires, M. S., *Asst. Prof. and Asst. Chem.*

Dairy Husbandry:
*†O. C. Cunningham, B. S., *Prof. Dairy Husb.; Dairy Husb.*
†L. H. Addington, M. S., *Asst. in Dairy Husb.*

Dairy Husbandry—Continued.
‡E. E. Anderson, B. S., *Dairy-Poultry Specialist.*

Economics (Agr.):
†A. L. Walker, M. S., *Agr. Econ.*
†L. H. Hauter, M. S., *Asst. Agr. Econ.*

Editorial:
†C. P. Wilson, M. S., *Editor. Asst. in Agr. Econ.*
‡Mrs. Ivy G. Yoast, *Editor and Secy.*

Education (Agr.):
*H. M. Gardner, M. S., *Prof. Agr. Ed. and Vice Dean Coll. of Agr.*

Engineering (Agr.):
†D. W. Bloodgood, B. S. M. E., *Irrig. Engin. (Coop. U. S. D. A.).*
†A. S. Curry, B. S., *Asst. in Irrig.*

Extension (Admin.):[1]
Director Elser *in charge.*
‡L. H. Hauter, M. S., *Asst. Dir.*
‡E. C. Hollinger, B. S., *Asst. Dir.*
‡Grace B. Long, B. S., *State Home Agt.*
‡Velma Borschell, B. S., *Asst. State Home Agt.*
‡Veda Strong, B. S., *Asst. State Home Agt.*

Home Economics:[2]
*Margaret A. O'Loughlin, M. S., *Prof. Home Econ.*
*Hildure E. Anderson, M. S., *Asst. Prof. Home Econ.*
†Mary L. Greenwood, M. A., *Research Specialist in Home Econ.*

Horticulture:
Director Garcia, *in charge.*
†A. B. Fite, M. S., *Assoc. Hort.*
*J. W. Rigney, B. S., *Instr. Hort.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.
[2] Given in School of General Science.

Poultry Husbandry:
*†L. N. Berry, B. S., *Prof. Poultry Husb.; Poultry Husb.*
‡E. E. Anderson, B. S., *Poultry-Dairy Specialist.*

Miscellaneous.
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Substations:
Tucumcari Field Sta., *P. O., Tucumcari*—D. R. Burnham, B. S., *Supt.* (*Coop. U. S. D. A.*).

NEW YORK

New York State Colleges of Agriculture and Home Economics, and the Agricultural Experiment Station at Cornell University.[1] *Ithaca*

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*†A. R. Mann, A. M., D. Sc., *Dean Colleges of Agr. and Home Econ. and Dir. of Expt. Sta.*
*Cornelius Betten, Ph. D., D. Sc., *Dir. of Resident Instruction*
*†‡Martha Van Rensselaer, A. B., and Flora Rose, M. A., *Directors, Coll. of Home Econ.*
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‡J. H. Barron, B. S., *Ext. Prof. Field Crops.*
*†J. A. Bizzell, Ph. D., *Prof. Soil Tech.*
*H. O. Buckman,[2] Ph. D., *Prof. Soil Tech.*
*H. P. Cooper, Ph. D., *Asst. Prof. Field Crops.*
†Leah English, B. S., *Analyst in Agron.*
*A. W. Gibson, M. S., *Instr. Farm Pract.*
‡A. F. Gustafson, Ph. D., *Ext. Prof. Soil Tech.*
‡H. B. Hartwig, M. S., *Ext. Asst. Prof. Field Crops.*
†F. B. Howe, M. S., *Soil Surveyor.*
*A. C. King, B. S. A., *Prof. Farm Pract. and Farm Superintendence.*
†E. W. Leland, B. S. A., *Experimentalist in Soil Tech.*
*W. M. Phipps, M. S., *Chem. Analyst in Agron.*
†L. G. Romell, Ph. D., *Research Prof. For. Soils.*
*†B. D. Wilson, Ph. D., *Asst. Prof. Soil Tech.*
*†J. K. Wilson, Ph. D., *Prof. Soil Tech.*
*‡E. L. Worthen, M. S., *Ext. Prof. Soil Tech.*

Animal Husbandry:
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*C. L. Allen, Ph. D., *Asst. Prof. An. Husb.*
*R. C. Bender, M. S., *Instr. An. Husb.*
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Animal Husbandry—Continued.
*E. S. Harrison, B. S., *Instr. An. Husb.*
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*†C. M. McCay, Ph. D., *Asst. Prof. An. Husb.*
*R. G. Maxwell, B. S., *Instr. An. Husb.*
*†L. A. Maynard, Ph. D., *Prof. An. Husb.*
‡H. J. Metzger, D. V. M., *Ext. Asst. Prof. An. Husb.*
*A. O. Rhoad, M. S., *Instr. An. Husb.*
*†E. S. Savage, Ph. D., *Prof. An. Husb.*
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‡G. W. Tailby, jr., B. S., *Ext. Instr. An. Husb.*
‡J. P. Willman, M. S., *Ext. Instr. An. Husb.*

Botany:
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†S. H. Burnham, B. S., *Asst. Curator.*
*†O. F. Curtis, Ph. D., *Prof. Bot.*
*A. J. Eames, Ph. D., *Prof. Bot.*
*E. F. Hopkins, Ph. D., *Asst. Prof. Bot.*
*Gemma Jackson, M. A., *Instr. Bot.*
*†Lewis Knudson,[3] Ph. D., *Prof. Bot.; Plant Phys.*
*R. A. Laubengayer, B. S., *Instr. Bot.*
*Barbara McClintock, Ph. D., *Instr. Bot.*
*†W. C. Muenscher, Ph. D., *Asst. Prof. Econ. Bot.*
*L. C. Petry, Ph. D., *Prof. Bot.*
†Donald Reddick, Ph. D., *Prof. Plant Path.*
*L. W. Sharp, Ph. D., *Prof. Bot.*

Chemistry (Agr.):
*G. W. Cavanaugh, B. S., *Prof. Agr. Chem.*

[1] All members of the college faculty do experimental work as required.
[2] On leave.
[3] On leave.

Dairy Industry:

*†J. M. Sherman, Ph. D., *Prof. and Head of Dept.*
‡W. E. Ayres, *Ext. Asst. Prof. Dairy Indus.*
*H. H. Boysen, *Instr. Bact.*
‡J. D. Brew, M. S., *Ext. Prof. Dairy Indus.*
*†E. S. Guthrie,[1] Ph. D., *Prof. Dairy Indus.*
*B. L. Herrington, B. S., *Instr. Dairy Indus.*
*G. A. Knaysi, M. S., *Instr. Bact.*
*T. J. McInerney, M. S., *Asst. Prof. Dairy Indus.*
*†Otto Rahn, Ph. D., *Prof. Bact.*
*†H. E. Ross, M. S., *Prof. Dairy Indus.*
*†P. F. Sharp, Ph. D., *Prof. Dairy Chem.*
*C. N. Stark, Ph. D., *Asst. Prof Dairy Bact.*
*Mrs. Pauline W. Stark, M. S., *Instr. Bact.*
*†H. C. Troy, B. S., *Prof. Dairy Indus.*
*Helen U. Wing, B. S., *Instr. Bact.*
*R. S. Whitaker, Ph. D., *Research Instr. Dairy Indus.*

Drawing (Agr.):

*W. C. Baker, B. S., *Prof. Drawing.*
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Economics (Agr.):

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*H. B. Boyd, B. S., *Instr. Mktg.*
*J. E. Boyle, Ph. D., *Prof. Rural Econ.*
‡R. F. Bucknam, B. S., *Ext. Instr. Farm Mgt.*
*M. P. Catherwood, M. S., *Instr. Mktg.*
*F. A. Harper, B. S., *Instr. Farm Mgt.*
*J. F. Hariott, Ph. D., *Asst. Prof. Farm Mgt.*
‡V. B. Hart, Ph. D., *Ext. Prof. Farm Mgt.*
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*†M. S. Kendrick, Ph. D., *Asst. Prof. Rural Econ.*
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‡E. H. Mereness, B. S., *Ext. Instr. Farm Mgt.*
*†E. G. Misner, Ph. D., *Prof. Farm Mgt.*
*†W. I. Myers, Ph. D., *Prof. Farm Finance; Farm Mgt.*
*†F. A. Pearson, Ph. D., *Prof. Mktg.*
*Whiton Powell, M. S., *Instr. Mktg.*

[1] On leave.

Economics (Agr.)—Continued.

*†M. P. Rasmussen, Ph. D., *Asst. Prof. Mktg.*
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*†G. P. Scoville, M. A., *Prof. Farm Mgt.*
*†Leland Spencer, Ph. D., *Prof. Mktg.* (*Coop. U. S. D. A.*).
‡L. M. Vaughan, B. S., *Ext. Instr. Farm Mgt.*
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‡H. N. Young, B. S., *Ext. Instr. Farm Mgt.*

Editorial—*See* **Publication.**

Education (Rural):

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*T. L. Bayne, jr., Ph. D., *Asst. Prof. Rural Ed.*
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*Isabelle F. Bull, B. S., *Instr. Rural Ed.*
*J. E. Butterworth, Ph. D., *Prof. Rural Ed.*
*T. H. Eaton, Ph. D., *Prof. Rural Ed.*
*E. N. Ferriss, Ph. D., *Prof. Rural Ed.*
*Mabel A. Hastie, B. S., *Instr. Rural Ed.*
*E. R. Hoskins, M. S., *Instr. Rural Ed.*
*C. B. Moore, Ph. D., *Prof. Rural Ed.*
*Caroline J. Muskat, B. A., *Instr. Rural Ed.*
*E. L. Palmer, Ph. D., *Prof. Rural Ed.*
*R. M. Stewart, Ph. D., *Prof. Rural Ed.*
*R. S. Uhrbrock, Ph. D., *Asst. Prof. Rural Ed.*
*S. M. Vaughan, B. S., *Instr. Rural Ed.*
*A. L. Winsor, M. A., *Instr. Rural Ed.*

Engineering (Rural):

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‡H. D. Brokaw, B. S., *Ext. Instr. Rural Engin.*
*Nathaniel Chadwick, B. S., *Instr. Rural Engin.*
*†F. L. Fairbanks, M. E., *Asst. Prof. Rural Engin.*
‡A. M. Goodman,[2] B. S., *Ext. Prof. Rural Engin.*
‡B. A. Jennings, B. S., *Ext. Asst. Prof. Rural Engin.*
*J. C. McCurdy, B. S., C. E., *Prof. Rural Engin.*
‡H. S. Pringle, B. S., *Ext. Instr. Rural Engin.*
*F. H. Randolph, B. A., M. E., *Prof. Institution Engin.*
*‡B. B. Robb, M. S., *Prof. Rural Engin.*
*L. M. Roehl, B. S., *Asst. Prof. Farm Shop.*
*F. B. Wright, M. S., *Instr. Rural Engin.*

[2] On leave.

Entomology:

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*P. P. Babiy, Ph. D., *Assoc. Curator.*
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*J. C. Bradley, Ph. D., *Prof. Ent. and Curator Invertebrate Zool.*
*†P. W. Claassen, Ph. D., *Prof. Biol.*
‡C. R. Crosby, A. B., *Ext. Prof. Ent.*
*†G. C. Embody, Ph. D., *Prof. Aquiculture.*
*W. T. M. Forbes, Ph. D., *Instr. Ent.*
*Grace H. Griswold, Ph. D., *Instr. Ent.*
*†G. W. Herrick, B. S., *Prof. Econ. Ent.; Ent.*
*†O. A. Johannsen, Ph. D., *Prof. Ent.; Gen. Biol.*
*†Robert Matheson, Ph. D., *Prof. Econ. Ent.*
*P. R. Needham, Ph. D., *Instr. Limnology.*
*†E. F. Phillips, Ph. D., *Prof. Apiculture.*
‡B. A. Slocum, B. S., *Ext. Instr. Apiculture.*
*†L. P. Wehrle, Ph. D., *Research Instr. Ent.*
*L. E. Wolf, M. S., *Instr. Ent.*

Extension (Admin.): [1]

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‡L. R. Simons, B. S., *County Agt. Leader.*
‡Adelaide A. Barts, B. S., *Asst. State Home Dem. Leader.*
‡Erl Bates, M. D., *Adviser in Indian Ext.*
‡Dorothy C. DeLany, B. S., *Asst. State Home Dem. Leader.*
‡Mildred S. Essick, B. S., *Asst. State Leader Junior Ext.*
*G. A. Everett, A. B., LL. B., *Prof. Ext. Teaching.*
‡E. A. Flansburgh, B. S., *Asst. County Agt. Leader.*
‡L. D. Kelsey, B. S., *Asst. County Agt. Leader.*
‡F. B. Morris, B. S., *Asst. County Agt. Leader.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] On leave.

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*†G. F. Heuser, Ph. D., *Prof. Poultry Husb.*

[1] On leave.

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[2] On leave.

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[1] Under jurisdiction of the commissioner of agriculture (*post office, Raleigh*), cooperating with the station in research.

[2] On leave.

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D. P. Southerland, *Foreman.*
Mountain Branch Sta., *P. O., Swannanoa*—
S. C. Clapp, *Asst. Dir.*
H. B. Coulter, *Dairy Herdsman.*
C. E. Keith, *Poultryman.*
W. M. Whisenhunt, *Foreman.*
Piedmont Branch Sta., *P. O., Statesville*—F. T. Meacham, M. S., *Asst. Dir.*
Tobacco Branch Sta., *P. O., Oxford*—
E. G. Moss, *Asst. Dir. (Coop. U. S. D. A.).*
Thomas Allen, *Foreman.*
Upper Coastal Plain Branch Sta., *P. O., Rocky Mount*—
R. E. Currin, jr., *Asst. Dir.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

[2] Under jurisdiction of the commissioner of agriculture (*post office, Raleigh*), cooperating with the station in research.

[3] Under the State department of agriculture and agricultural experiment station.

The Negro Agricultural and Technical College, *Greensboro*

*Agricultural faculty. ‡Extension staff.

*F. D. Buford, A. M., Pd. D., *President*
*F. M. Staley, M. S., *Dean Dept. of Agr., Prof. Agr. Econ.*

*C. F. Atkins, M. S., *Prof. Agr. Chem.*
*B. H. Crutcher, B. S., *Prof. Dairying and Bact.*
*J. N. Freeman, jr., M. S., *Prof. Poultry Husb. and Voc. Agr.*
*W. B. Harrison, B. S., *Instr. An. Husb., Farm Supt.*
*N. H. Howell, D. V. M., *Prof. Biol.*
‡Annie M. Murray, *Home Dem. Agt.*
‡S. B. Simmons, B. S., *Voc. Supvr. and Itinerant Teacher Trainer.*
*J. B. Small, B. S., *Prof. Bot., Supt. of Greenhouses.*
*M. F. Spaulding, M. S., *Prof. Hort.*
‡H. E. Webb, *Farm Dem. Agt.*

NORTH DAKOTA

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*†H. L. Walster, Ph. D., *Dean School of Agr.*
*†P. F. Trowbridge, Ph. D., *Dir. of Sta. Prof. Research Methods*
‡C. F. Monroe, M. Agr., *Dir. of Agr. Ext.*

Agronomy:

Dean Walster, *Chair. of Dept. Prof. Agron. and Soils.*
*O. O. Churchill, Ph. D., *Prof. Agron.* (*Farm Crops*).
‡E. G. Booth, Ph. D., *Field Agt. in Agron.*
*†J. E. Chapman, M. S., *Asst. Prof. and Asst. in Soils.*
†E. I. Olsen, B. S., *Asst. Agron. and Supt. Dem. Farms.*
†P. J. Olson, M. S., *Asst. Agron.*
†Thomas Sanderson, *Miller.*
†T. E. Stoa, M. S., *Asst. Agron.*
†L. R. Waldron, Ph. D., *Agron.* (*Plant. Brdg.*).

Animal Husbandry:

†J. H. Shepperd, D. Agr., *Chair. of Dept.* (*Hogs*).
*†G. J. Baker, M. S., *Prof. An. Husb.* (*Horses*) ; *Asst. Chair.*
*†O. A. Barton, B. S., *Prof. Poultry Husb.; Poultryman.*
*†F. W. Christensen, M. S., *Prof. An. Nutr.; An. Nutr.*
‡S. G. Denner, M. S., *Field Agt. in Livestock.*
*†G. P. Goodearl, B. S., *Instr. and Research Asst. in Poultry Husb.*
†D. J. Griswold, jr., A. M., *An. Husb.* (*Sheep*).
†M. B. Johnson, *Ranch Cattle Invest.* (*Coop. U. S. D. A.: P. O., Spearfish, S. Dak.*).
*†A. S. Severson, M. S., *Asst. Prof. and An. Husb.* (*Hogs*).
*E. J. Thompson, B. S., *Prof. An. Husb.* (*Cattle*).
‡O. J. Weisner, B. S., *Field Agt. in Poultry Husb.*

Botany, Bacteriology, and Zoology:

†H. L. Bolley, M. S., *Bot. and Pure Seed Comr.*
†L. W. Boyle, M. S., *Asst. Plant Path.* (*Coop. U. S. D. A.*).
†W. E. Brentzel, M. A., *Plant Path.*
†W. G. Couey, B. S., *Potato Disease Specialist.*
*†Mayme Dworak, A. M., *Asst. Prof. Bact.; Bact. and Plant. Physiol.*
†Astri Frisak, M. S., *Seed Analyst.*
*G. J. Ikenberry, M. S., *Assoc. Prof. Bot.*
†H. D. Long, *in charge Pure Seed Lab.* (*P. O., Park River*).
†G. C. Mayoue, M. S., *in charge Barberry Erad.* (*Coop. U. S. D. A.*).
*G. E. Miller, M. A., *Prof. Biol.*
*†C. I. Nelson, Ph. D., *Prof. Bact.; Bact. and Soil Biol.*
*Delaphine G. Rosa, M. Ph., *Instr. Bact.*
*W. G. Solheim, Ph. D., *Instr. Bot.*
*†O. A. Stevens, M. S., *Assoc. Prof. Bot.; Taxonomy and Ecology.*
*†H. R. Thornton, Ph. D., *Asst. Prof. Bact.; Dairy Bact. and Asst. Soil Biol.*
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Chemistry:

*L. L. Carrick, Ph. D., *Dean School of Chem.*
†T. H. Hopper, M. A., *Chair. of Agr. Chem. Dept.*
*A. C. Beckel, B. S., *Instr. Chem.*
*K. L. Bird, M. S., *Instr. Chem.*
*C. A. Gottschalck, M. S., *Prof. Org. Chem.*

Chemistry—Continued.
*Kenneth Keating, B. S., *Instr. Chem.*
†C. E. Mangels, A. M., *Cereal Chem. in charge Milling Invest.*
†L. L. Nesbitt, B. S., *Asst. Agr. Chem.*
†A. J. Pinckney, M. S., *Asst. Agr. Chem.*
*A. K. Smith, Ph. D., *Asst. Prof. Chem.*
*C. J. Sunde, M. S., *Instr. Chem.*

Dairy Husbandry:
*†J. R. Dice, A. M., *Chair. of Dept. Prof. Dairy Husb.*
‡A. M. Challey, B. S., *Field Agt. in Dairying.*
*†Chris Jensen, B. S., *Instr. and in charge Dairy Mfrs.*
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*C. E. Miller, M. S., *Chair. of Dept.*
†E. A. Willson,[1] M. S., *Rural Life Studies.*
†A. H. Benton, Ph. D., *Mktg. and Rural Organ.*
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†‡O. M. Fuller, M. S., *Asst. in Agr. Econ. and Asst. Farm Mgt. Dem.*
*B. V. McCaul, M. S., *Asst. Prof. Agr. Econ.*
†Harold Seielstad, M. S., *Asst. in Farm Mgt.*
†‡R. E. Willard, B. S., *Farm Mgt. and Rural Econ.* (*Field Agt.*).
†G. P. Wolf, A. M., *Farm Mgt.* (*Coop. U. S. D. A.: P. O., Davenport*).

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*†‡W. C. Palmer, M. S., *Dir. and Agr. Editor.*
*†R. A. Corbett, *Photog.*
‡S. W. Hooper, B. S., *Asst. Editor.*
*†T. W. Johnson, M. S., *Instr. Journalism; Asst. Agr. Editor.*

Education (Agr.):
*E. H. Jones, M. A., *Prof. Agr. Ed. and State Supvr. Voc. Agr.*
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*L. L. Scranton, M. S., *Asst. Prof. Agr. Ed.*
*T. W. Thordarson, M. S., *Dir. Correspondence Courses.*

Engineering (Agr.):
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†H. F. McColly, M. S., *Research Asst. in Agr. Engin.*
‡R. W. Oberlin, B. S., *Field Agt. in Agr. Engin.*

[1] On leave.

Entomology:
*†J. A. Munro, M. S., *Asst. Prof. Econ. Ent. and Head of Dept.* (*State Ent.*).

Extension (Admin.):[2]
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‡N. D. Gorman, *County Agt. Leader.*
‡Grace DeLong, B. A., *State Home Dem. Leader.*
‡H. E. Rilling, M. S., *State Club Leader.*
‡R. C. Dynes, B. S., *Asst. County Agt. Leader.*
‡Pauline M. Reynolds, B. A., *Asst. State Club Leader.*

Home Economics:
*Alba Bales, M. A., *Dean of School.*
*Minnie A. Anderson, M. A., *Assoc. Prof. Home Econ.*
*Frances Bailey, M. A., *Asst. Prof. Home Econ.*
‡Julia E. Brekke, M. A., *Clothing Specialist.*
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*Nancy Elliott, B. S., *Instr. Home Econ.*
*Helen C. Finlayson, A. B., *State Supvr. Home Econ. Ed.*
*Dorothy L. Hatch, B. S., *Assoc., Prof. Home Econ.*
‡Letitia J. Jones, B. S., *Field Agt. in Nutr.*
†Esther Latzke, M. S., *Research Asst. in Home Econ.*
*Adelaide Laurie, M. S., *Instr. Home Econ.*
†Constance Leeby, M. A., *Research Specialist in Home Econ.*
‡Jessie Marion, M. A., *Field Agt. in Home Mgt.*
*Ruth Rogers, B. S., *Instr. Institutional Mgt.*
*Elvira T. Smith, M. A., *Assoc. Prof. Home Econ.*
‡Edna Sommerfeld, B. S., *Field Agt. in Clothing.*
‡Mildred R. Tackaberry, M. S., *Field Agt. in Nutr.*

Horticulture:
*C. B. Waldron, B. S., *Chair. of Dept., Prof. Hort. and For. Vice Dean School of Agr.*
‡L. S. Matthews, B. S., *Field Agt. in For.*
*†A. F. Yeager, M. S., *Prof. Hort.; Hort.*

Veterinary Science:
*†A. F. Schalk, D. V. M., *Head of School, Prof. Vet. Sci.; Vet.*

[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

Veterinary Science—Continued.
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*†C. J. Parshall, D. V. M., *Instr. Vet. Sci.; Asst. Vet.*
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†Fritz Volkmar, V. S., *Technician.*

Miscellaneous:
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*Mrs. Ethel McVeety, *Libr.*
*Harriet A. Pearson, A. B., *Assoc. Prof. Libr. Methods, Asst. Libr.*

Substations:
Dickinson—
Leroy Moomaw, B. S., *Supt. (Coop. U. S. D. A.).*
R. W. Smith, M. S., *Assoc. Agron. (Coop. U. S. D. A.).*
Edgeley—O. A. Thompson, B. S., *Supt.*
Hettinger—C. H. Plath, M. S., *Supt.*
Langdon—Victor Sturlaugson, *Supt.*
McLeod (Dem. Farm)—J. G. Carlson, *Supt.*
Williston—E. G. Schollander, B. S., *Supt.*

OHIO

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*Alfred Vivian, Ph. G., *Dean Coll. of Agr.*
‡H. C. Ramsower, B. S., Ed. M., *Dir. of Agr. Ext. Work*
*D. S. White, D. V. M., *Dean Coll. of Vet. Med.*
*H. W. Nisonger, A. M., *Junior Dean of Coll. of Agr.*

Animal Husbandry:
*C. W. Gay, B. S., D. V. M., *Chair. of Dept.*
‡C. L. Blackman, M. S., *An. Husb. Specialist.*
*J. S. Coffey, B. S., *Prof. An. Husb.*
*T. H. Helmreich, B. S., *Asst. Prof. An. Husb.*
‡L. A. Kauffman, M. S., *An. Husb. Specialist.*
*D. J. Kays, B. S., *Prof. An. Husb.*
‡L. P. McCann, M. S., *An. Husb. Specialist.*
*C. S. Plumb, B. S., *Prof. An. Husb.*
*S. M. Salisbury, B. S., *Prof. An. Husb.*
‡J. W. Wuichet, B. S., *An. Husb. Specialist.*

Botany:
*E. N. Transeau, Ph. D., *Chair. of Dept., Prof. Plant Physiol.*
*G. W. Blaydes, M. A., *Instr. Bot.*
*W. H. Camp, M. S., *Instr. Bot.*
*S. S. Humphrey, M. S., *Instr. Bot.*
*Lois Lampe, Ph. D., *Instr. Bot.*
*B. S. Meyer, Ph. D., *Asst. Prof. Bot.*
‡A. L. Pierstorff, Ph. D., *Plant Path. Specialist.*
*H. C. Sampson, Ph. D., *Prof. Bot.*
*J. H. Schaffner, Ph. D., *Prof. Bot.*
*W. G. Stover, Ph. D., *Prof. Bot.*[1]
*L. H. Tiffany, Ph. D., *Asst. Prof. Bot.*
*A. E. Waller, Ph. D., *Asst. Prof. Bot.*
*Pearle E. Williams, M. A., *Instr. Bot.*

Chemistry (Agr.):
*J. F. Lyman, Ph. D., *Chair. of Dept.*
*E. F. Almy, M. S., *Asst. Prof. Agr. Chem.*

[1] See also experiment station staff.

Chemistry (Agr.)—Continued.
*R. C. Burrell, Ph. D., *Asst. Prof. Agr. Chem.*
*T. G. Watson, M. S., *Asst. Prof. Agr. Chem.*

Dairying:
*Oscar Erf, B. S., *Chair. of Dept.*
*H. D. Drain, M. S., *Asst. Prof. Dairying.*
‡Ivan McKellip, M. S., *Specialist in Dairying.*
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Economics (Rural):
*J. I. Falconer, Ph. D., *Chair. of Dept.*[2]
*‡C. R. Arnold, A. M., *Asst. Prof. Rural Econ. and Farm Mgt. Dem.*
*P. G. Beck, M. S., *Instr. Rural Econ.*[2]
*J. F. Dowler, M. S., *Instr. Rural Econ.*[2]
*L. G. Foster, A. M., *Asst. Prof. Rural Econ.*
‡C. W. Hammans, M. S., *Mktg. Specialist.*
*C. E. Lively, M. A., *Asst. Prof. Rural Sociol.*[2]
*C. G. McBride, M. S., *Asst. Prof. Rural Econ.*[2]
‡Guy Miller, M. S., *Asst. Farm. Mgt. Dem.*
*P. G. Minneman, Ph. D., *Asst. Prof. Rural Econ.*
*F. L. Morison, M. S., *Instr. Rural Econ.*[2]

[2] See also experiment station staff.

Economics (Rural)—Continued.

‡J. C. Neff, M. S., *Asst. Farm. Mgt. Dem.*

*T. D. Phillips, B. S., *Asst. Prof. Rural Econ.*

‡J. P. Schmidt, B. S., *Rural Organ. Specialist.*

‡R. B. Tom, *Specialist in Rurol Sociol.*

‡B. A. Wallace, M. A., *Mktg. Specialist.*

*V. R. Wertz, M. S., *Asst. Prof. Rural Econ.*[1]

Editorial—*See* **Journalism.**

Education (Agr.):

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*E. O. Bolender, B. S., *Instr. Agr. Ed.* (*P. O., Hilliards*).

‡H. E. Eswine, *Instr. Agr. Ed.*

*H. G. Kenestrick, B. S., *Asst. Prof. Agr. Ed.*

*A. C. Kennedy, B. S., *Instr. Agr. Ed.* (*P. O., Worthington*).

*Howard McClarren, B. S., *Instr. Agr. Ed.* (*P. O. Westerville*).

*R. G. McMurray, B. S., *Instr. Agr. Ed.* (*P. O., Canal Winchester*).

*F. J. Ruble, B. S., *Instr. Agr. Ed.* (*P. O., Grove City*).

Engineering (Agr.):

*G. W. McCuen, B. S., *Chair of Dept.*[1]

‡R. D. Barden, B. S., *Agr. Engin. Specialist.*

‡I. P. Blauser, B. S., *Field Engin.* (*P. O., Marysville*).

‡V. L. Overholt, B. S., *Agr. Engin. Specialist.*[1]

*C. O. Reed, B. S., *Prof. Agr. Engin.*[1]

*E. A. Silver, B. S., *Research Engin.*[1]

*B. M. Stahl, D. V. M., M. S., *Instr. Agr. Engin.*[1]

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Entomology—*See* **Zoology.**

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‡Minnie Price, B. S., *State Home Dem. Leader.*

‡W. H. Palmer, M. S., *State Club Leader.*

———— ————, *Supvr. of Insts. and Ext. Schools.*

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‡G. R. Eastwood, B. S., *Dist. Supvr.*

‡D. S. Myer, M. A., *Dist. Supvr.*

‡B. B. Spohn, B. S., *Dist. Supvr.*

‡Blanche B. Bowers, B. S., *Asst. State Home Dem. Leader.*

‡O. C. Croy, M. S., *Asst. State Club Leader.*

[1] See also experiment station staff.

[2] For subject-matter workers see the respective division; i. e., animal husbandry, botany, etc.

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‡Hulda E. Horst, M. A., *Asst. State Club Leader.*

‡Adele Koch, A. M., *Asst. State Home Dem. Leader.*

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*H. L. Borst, Ph. D., *Asst. Prof. Farm Crops.*[3]

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‡Earl Jones, M. S., *Farm Crops Specialist.*

*M. T. Meyers, M. S., *Instr. Farm Crops*[3] (*Coop. U. S. D. A.*).

‡E. P. Reed, M. S., *Farm Crops Specialist.*

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*Estelle Barton, B. S., *Instr. Voc. Home Econ.*

‡Anne Biebricker, M. A., *Clothing Specialist.*

*Mrs. Margaret Black, M. S., *Instr. Home Econ.*

‡Edna Callahan, M. A., *Clothing Specialist.*

*Elizabeth C. Cooley, M. S., *Instr. Home Econ.*

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‡Alma L. Garvin, M. A., *Nutr. Specialist.*

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‡Wanda Przyluska, B. S., *Home Health Specialist.*

[3] See also experiment station staff.

Home Economics—Continued.
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*Eunice Ryan, M. A., *Instr. Home Econ.*
*Eve E. Turnbull, M. A., *Asst. Prof. Home Econ.*
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Horticulture:
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*F. G. Charles, M. S., *Asst. Prof. Hort.*
‡F. W. Dean, B. S. F., *For. Specialist.*[1]
‡C. S. Holland, B. S., *Hort. Specialist.*
*‡E. R. Lancashire, M. S., *Asst. in Hort. and Veg. Gard. Specialist.*
*L. M. Montgomery, M. S., *Prof. Hort.*
*John Morrison, *Asst. Hort.*
*‡V. H. Ries, M. S., *Asst. Prof. Flor.*
*N. W. Scherer, M. S. F., *Asst. Prof. For.*
‡E. B. Tussing, B. S., *Veg. Gard. Specialist.*

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‡V. E. Bundy, B. S., *Asst. Editor.*
‡Ethel M. Cadley, *Asst. Editor.*
‡J. R. Fleming, B. S., *Asst. Editor.*
‡C. E. Wilson, A. B., *Asst. in Photog. and Illustrations (Visual Instr.).*

Poultry Husbandry:
*E. L. Dakan, B. S., *Chair. of Dept.*
‡R. E. Cray, B. S., *Poultry Specialist.*
‡C. M. Ferguson, B. S., *Poultry Specialist.*
*A. R. Winter, M. S., *Asst. Prof. Poultry Husb.*
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Soils:
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‡M. V. Bailey, M. S., *Soils Specialist.*

Soils—Continued.
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*G. M. McClure, M. S., *Asst. Prof. Soils.*[1]
‡F. J. Salter, M. S., *Soils and Crops Specialist.*
‡J. A. Slipher, B. S., *Soils and Crops Specialist.*
*C. L. Thrash, M. S., *Instr. Soils.*[1]

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*J. W. Benner, M. S., D. V. M., *Asst. in Vet. Path.*
*O. V. Brumley, V. S., *Prof. Vet. Surg., Dir. of Clinics.*
*L. W. Goss, D. V. M., *Prof. Vet. Path.*
*J. D. Grossman, D. V. M., *Prof. Vet. Anat.*
*J. H. Snook, D. V. M., *Prof. Vet. Surg.*
*D. W. Ashcraft, D. V. M., M. S., *Instr. Vet. Anat.*
*W. R. Hobbs, D. V. M., *Asst. Prof. Vet. Surg.*
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*W. M. Barrows, D. Sc., *Prof. Zool.*
*D. M. DeLong, Ph. D., *Prof. Ent.*
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‡M. P. Jones, M. S., *Ext. Instr. Ent.*
*C. H. Kennedy, Ph. D., *Asst. Prof. Ent.*
*W. J. Kostir, M. S., *Asst. Prof. Zool.*
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*D. F. Miller, Ph. D., *Instr. Zool.*
*J. N. Miller, M. S., *Instr. Zool.*
*Herbert Osborn, D. Sc., *Research Prof. Zool. and Ent.*[1]
‡T. H. Parks, M. S., *Ent. Specialist.*
*Alvah Peterson, Ph. D., *Prof. Ent.*
*J. W. Price, M. S., *Instr. Zool.*

[1] See also experiment station staff.

Ohio Agricultural Experiment Station, *Wooster*

†Station staff

†C. G. Williams, *Director*

Agronomy:
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†C. E. Thorne, D. Sc., *Consult. Chief.*
†J. W. Ames, M. S., *Assoc. in Agron. (Chem.).*
†E. E. Barnes, M. S., *Assoc. in Agron. (P. O., Columbus).*
†H. W. Batchelor, M. S., *Assoc. Agron. (Soils).*
†L. D. Baver, M. S., *Asst. in Agron. (Soils).*

Agronomy—Continued.
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Agronomy—Continued.
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†F. R. Dreibelbis, M. S., *Asst. in Agron. (Chem.).*
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†J. D. Sayre, Ph. D., *Asst. Plant. Path. (Coop. U. S. D. A.).*
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†Willard Hosach, B. S., *Asst. in Nutr.*
†C. H. Hunt, Ph. D., *Assoc. (Nutr.).*
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†W. N. Wehr, B. S., *Asst.*
†V. R. Wertz, M. S., *Asst.*

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†W. K. Greenbank, *Editor.*

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†Mary A. Brown, B. S., *Asst.*
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†C. W. Ellenwood, *Asst. Hort.*
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†F. S. Howlett, Ph. D., *Assoc. Hort.*
†I. P. Lewis, B. S., *Asst. Hort.*
†Roy Magruder, B. S., *Asst. Hort.*
†J. S. Shoemaker, Ph. D., *Assoc. Hort.*
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Southwestern Test Farm, *P. O., Germantown*—H. M. Wachter, *Supt.*
Belmont County Expt. Farm, *P. O., St. Clairsville*—Walter Mahan, *Supt.*
Clermont County Expt. Farm, *P. O., Owensville*—W. E. Weaver, *Supt.*
Hamilton County Expt. Farm, *P. O., Mt. Healthy*—W. E. Weaver, *Supt.*
Madison County Expt. Farm, *P. O., London*—H. W. Rogers, B. S., *Supt.*
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Botany and Plant Pathology:
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*P. M. Hewitt, M. S., *Asst. Prof. Agr. Ed.*
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Editorial—*See* **Journalism.**

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‡Mrs. Jessie D. McComb, M. S., *State Home Dem. Leader.*
‡H. C. Seymour,[3] *State Club Leader.*
‡L. J. Allen, M. S., *Actg. State Club Leader.*
‡Helen J. Cowgill, B. S., *Asst. State Club Leader.*
‡R. C. Kuehner, B. S., *Asst. State Club Leader.*
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[2] For subject-matter workers see the respective division; i. e., animal husbandry, bacteriology, etc.

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[1] On leave.

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[2] On leave.

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[3] On leave.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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Denton (No. 6)—P. B. Dunkle, B. S., *Supt.*
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†G. Q. Bateman, B. S., *Supt. Dairy Farm.*

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*†G. D. Clyde, M. S., *Asst. Prof. and Asst. in Irrig. and Drainage.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.

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*Alice Kewley, B. S., *Prof. Household Admin., in charge Home Econ. Ed.*
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‡Afton Odell, B. S., *Clothing Specialist.*
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[1] On leave.

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[2] On leave.

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Engineering (Agr.):

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*‡C. E. Stockdale, M. S., *State Agt.*

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‡T. D. Gray, B. S., *Ext. Landsc. Architect.*

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‡Gertrude Humphreys, A. B., *Home Econ. Specialist.*

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*Beth M. Palmer, M. S., *Asst. Prof. Home Econ.*

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[1] For subject-matter workers see the respective division; i. e., agronomy and genetics, animal husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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†F. S. Henika, M. S., *Research Asst. in Hort.*
†Isme A. Hoggan, Ph. D., *Research Asst. Hort.*
*††James Johnson, Ph. D., *Prof. Hort.; Hort. (Coop. U. S. D. A.).*
‡C. L. Kuehner, B. S., *Hort. Specialist.*
*‡G. W. Longenecker, B. S., *Instr. Hort.*
*††J. G. Milward, M. S., *Prof. Hort.; Hort.*
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J. E. Smith, B. S., *Soils* (*P. O., Ashland*).
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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